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LIBRARY OF CONGRESS  0 029 767 339 7	1876B	155	T59.57 no. 129-283 (1961-Undated)

Minorature

STANDARDS ASSOCIATION OF AUSTRALIA
Incorporated by Royal Charter

X-T59
S7 #129
AMDT. No. 1
JULY 1961

AMENDMENT No. 1
to
A.S. No. B.11-1950

2 - SEP 2 19
COPY - 1961

**HIGH CARBON STEEL CYLINDERS FOR THE STORAGE AND
TRANSPORT OF HIGH PRESSURE LIQUEFIABLE GASES**

The above specification is amended as follows; the amendment
should be inserted at the appropriate page.

Page 8. CLAUSE 25. PROTECTION OF SCREWED ENDS.

Delete existing clause and *substitute* the following:

Where cylinders are supplied without valves fitted, all screwed ends shall be fitted with a screwed plug of suitable material to prevent entry of moisture.

Minute

X-T59 #130

for 2B cat Subj' Cat

57

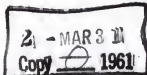
STANDARDS ASSOCIATION OF AUSTRALIA
Incorporated by Royal Charter

AMDT. No. 1
JAN. 1961

AMENDMENT No. 1
to

Australian Standard Specification
for

DENTAL LABORATORY PLASTER
(No. T.5-1951)



The above specification is amended as follows; the amendment should be inserted at the appropriate page.

Clause 6. Linear Expansion on Setting.

Delete the value "0.20" in the fourth line and *substitute* the value "0.25".

AMDT. No. 1
JAN. 1961

Miniature

STANDARDS ASSOCIATION OF AUSTRALIA
Incorporated by Royal Charter

X-T59 #131
.57 AMDT. No. 1
JUNE 1961

AMENDMENT No. 1
to

A.S. No. K.122—1960

"LATEX" PAINTS FOR INTERIOR AND EXTERIOR USE
(Performance Basis)

The above standard is amended as follows; the amendment should be inserted at the appropriate place.

Page 7. CLAUSE 3-15. WASHABILITY.

In Line 1 *delete* the words "stains are" and *substitute* the words "a pencil mark is".

AMDT. No. 1
JUNE 1961

Endorsement

STANDARDS ASSOCIATION OF AUSTRALIA
Incorporated by Royal Charter

AUST.
AMDT. No. 1
SEPT. 1961

AUSTRALIAN AMENDMENT No. 1

to

**A.S. No. G.9-1961
IRON CASTINGS WITH SPHEROIDAL OR NODULAR
GRAPHITE**

The 1961 edition of B.S.2789 has been endorsed as A.S. No. G.9-1961 subject to Australian amendment.

To avoid reprinting B.S.2789:1961 as an Australian standard, the following amendments and the attached endorsement slip have been prepared. The endorsement slip should be attached to the cover of B.S.2789:1961 for use in Australia and the amendments inserted at the appropriate pages.

Page 2.

Delete the statement beginning "This standard makes reference to—" and substitute the following statement:

This standard makes reference to the following Australian and British standards:

AUST.
AMDT. No. 1
SEPT. 1961

- A.S. No. A.23 —Tensile Testing of Metals (B.S.18:1956 endorsed with amendments)
- B.S.131, Part 1 —Izod Impact Test on Metals
- A.S. No. B.188 —Charpy V-notch Impact Testing (B.S.131: Part 2-1959 endorsed with amendments)
(In course of preparation)
- A.S. No. B.81, Part 1—Methods and Tables for Brinell Hardness Testing

Page 7. CLAUSE 5. IDENTIFICATION.

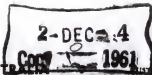
Delete the letters "B.S." and substitute the letters "A.S.".

AUST.
AMDT. No. 1
SEPT. 1961

Page 8. CLAUSE 8. MECHANICAL TESTS.

- a. *Tensile Test.* Delete "B.S.18" and substitute "A.S. No. A.23".
- b. *Hardness Test.* Delete "B.S.240" and substitute "A.S. No. B.81".
- c. *Impact Test—Sub-clause (ii).* Delete "B.S.131, Part 2" and substitute "A.S. No. B.188".

AUST.
AMDT. No. 1
SEPT. 1961



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S7 #132

STANDARDS ASSOCIATION OF AUSTRALIA
Incorporated by Royal Charter

x-759
Sr #133

AMDT. No. 1
AUGUST 1961

AUSTRALIAN AMENDMENT No. 1

to

A.S. No. R.20-1961

ONE-MARK VOLUMETRIC FLASKS

(being B.S. 1792:1960 endorsed as an Australian Standard)

British Standard 1792:1952 was endorsed as Australian Standard No. R.20-1953. B.S. 1792:1960 is now endorsed as A.S. No. R.20-1961, subject to Australian amendments as set out hereunder.

The accompanying endorsement slip should be attached to the cover of B.S. 1792:1960 for use in Australia, and the amendments inserted at the appropriate pages.

2-NOV 3 0
COPY 1961

Page 8, Clause 10g.

Delete this clause and substitute the following:

g. The number of this Australian Standard, i.e. A.S. No. R.20.

AUST.
AMDT. No. 1
AUGUST 1961

Delete the footnote.

Page 9, APPENDIX B.

Add the following paragraph:

In Australia facilities for testing volumetric glassware for compliance with specifications are offered by the National Standards Laboratory and by laboratories registered for this purpose by the National Association of Testing Authorities of Australia.

AUST.
AMDT. No. 1
AUGUST 1961

STANDARDS ASSOCIATION OF AUSTRALIA

Incorporated by Royal Charter

AMENDMENT No. 2

to

SAA Approval and Test Specification

for

MINIATURE OVER-CURRENT CIRCUIT-BREAKERS

(No. C.111-1956 Ap.)

The 1956 edition of A. & T.S. No. C.111 which was previously amended in 1959 is further amended as follows; the amendments should be inserted at the appropriate places.

CLAUSE 3, STANDARD CURRENT RATINGS.

Include a current rating of 45 amperes.

AMDT. No. 2
SEPT. 1961

This amendment forms part of the specification on 1 Oct. 1961.

CLAUSE 7, TEMPERATURE RISE OF CURRENT CARRYING PARTS. (a) General.

In the first sentence *insert* the words "current carrying" before "part" at the beginning of the third line.

AMDT. No. 2
SEPT. 1961

Delete the second paragraph and *replace* by:

Temperature rise tests shall be conducted as described in Clauses 19 and 23.

This amendment forms part of the specification on 1 Oct. 1961.

CLAUSE 14, TESTING GENERAL. (a) Sequence of Tests.

Delete this sub-clause and *substitute* the following:

(a) **Sequence of Tests.** The tests shall be carried out in the order set down.

AMDT. No. 2
SEPT. 1961

This amendment forms part of the specification on 1 Oct. 1961.

CLAUSE 18, MILLIVOLTS DROP TEST.

Delete this clause.

AMDT. No. 2
SEPT. 1961

This amendment forms part of the specification on 1 Oct. 1961.

X-T59
S 7#134

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CODE 1961

STANDARDS ASSOCIATION OF AUSTRALIA

Incorporated by Royal Charter

AMSD. No. 4
SEPT. 1961

AMENDMENT No. 4

to

SAA Approval and Test Specification

for

ELECTRIC MOTOR OPERATED APPLIANCES

(No. C.115-1941 Ap.)

The 1941 edition of A. & T.S. No. C.115 which was previously amended in 1958, 1959 and 1961 is further amended as follows; the amendments should be inserted at the appropriate places.

CLAUSE 6, MOTORS. (b) Overcurrent Protection.

Delete the existing sub-clause and substitute the following:

(b) **Thermal Protection of Motors.** Any motor having a rated current AMSD. No. 4
of 1 ampere or more incorporated in an appliance and which is intended SEPT. 1961
to be automatically controlled, shall be so protected that the motor windings will not attain temperatures greater than those specified in Clause 11(1) when tested in accordance with the appropriate requirements thereof.

An appliance is considered to be automatically controlled under any one or more of the following conditions:

- (i) If the repeated starting of the appliance, beyond one complete predetermined cycle of operation, to the point where some form of limit switch opens the circuit, is independent of any manual control.
- (ii) If, during any single predetermined cycle of operation, the motor is caused to stop and restart one or more times.
- (iii) If, upon energizing the appliance, the initial starting of the motor may be intentionally delayed beyond normal, conventional starting.
- (iv) If, during any single predetermined cycle of operation, automatic changing of the mechanical load may reduce the motor speed sufficiently to re-establish starting-winding connections to the supply circuit.

Any protective device required by this clause shall not open the circuit during the test for exposure of materials and insulation to excessive temperature as specified in Clause 11(f).

The functioning of a motor-protective device provided as part of a motor-operated appliance (whether required by this clause or not) shall not result in fire or accident hazard.

This amendment forms part of the specification on 1 Oct. 1961.

X-T59
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COOP 1961

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.S7#136

AMDT. No. 1
JULY 1961

STANDARDS ASSOCIATION OF AUSTRALIA
Incorporated by Royal Charter

AMENDMENT No. 1

to

Australian Standard Specification
No. H.9-1961

WROUGHT HIGH TENSILE BRASS RODS AND SECTIONS
(Other than Forging Stock)

The 1940 edition of B.S.250 was endorsed as A.S. No. H.9-1940 without amendment.

The 1960 edition of B.S.250 is now endorsed as a revised edition of A.S. No. H.9 subject to Australian Amendment No. 1 as set below.

An endorsement slip has been issued for attachment to the cover of B.S.250:1960 for use in Australia. The amendments set out in Amendment No. 1 should be inserted at the appropriate page.

Page 14.

Alloy CZ114. Delete "CZ114" and substitute the following:

CZ114A AND CZ114B

Clause 15, Chemical Composition. Delete this clause and substitute the following:

AMDT. No. 1
JULY 1961

15. The chemical composition of the materials shall be:

Element	CZ114A	CZ114B
Copper	Not less than 56.0 per cent nor more than 60.0 per cent	Not less than 56.0 per cent nor more than 60.0 per cent
Tin	Not less than 0.7 per cent nor more than 1.3 per cent	Not less than 0.7 per cent nor more than 1.3 per cent
Iron	Not less than 0.5 per cent nor more than 1.2 per cent	Not less than 0.5 per cent nor more than 1.2 per cent
Manganese	Not less than 0.3 per cent nor more than 2.0 per cent	Not less than 0.3 per cent nor more than 2.0 per cent
Lead	0.1 per cent maximum	Not less than 0.8 per cent nor more than 1.2 per cent
Aluminium	Not more than 1.5 per cent	Not more than 1.5 per cent
Zinc	The remainder	The remainder

Impurities. The supplier shall undertake that the material does not contain the following impurities in excess of the amount stated:

Total (excluding aluminium) 0.50 per cent.

Delete the footnote to this page.

STANDARDS ASSOCIATION OF AUSTRALIA

Incorporated by Royal Charter

AMENDMENT No. 2

to

SAA Approval and Test Specification

for

ELECTRIC FLOOR-POLISHERS

(No. C.157-1956 Ap.)

X-759

S7#131

AMDT. No. 2
MAY 1961

2 - AUG 1

1961

The 1956 edition of A. & T.S. No. C.157 which was previously amended in 1959 is further amended as follows; the amendments should be inserted at the appropriate places.

CLAUSE 7. FLEXIBLE CORD.

Alter title to **FLEXIBLE CORD AND CONNECTING PLUG.**

(a) **Type.** Delete this sub-clause and substitute the following:

(a) **General.** Any flexible cord and connecting plug supplied with a floor-polisher for the purpose of connecting it to the supply mains shall comply with the relevant requirements of Clause 92A of A. & T.S. No. C.100 except that the flexible cord shall be of the light duty or general purpose tough rubber-sheathed or thermoplastic-sheathed type and shall be not less than 18 ft in length.

AMDT. No. 2
MAY 1961

This amendment forms part of the specification on 1 May 1962.

CLAUSE 17. TESTS. (m) Test of Switch or Control Device
(Amendment No. 1, July 1959).

Delete the first paragraph and substitute the following:

Any switch or control device shall comply with the relevant requirements of A. & T.S. No. C.133, Air Break Switches, the rated voltage and current for the purpose of testing being taken as the maximum voltage and current controlled by the switch under the loading conditions specified in Clause 17(j).

AMDT. No. 2
MAY 1961

In the second paragraph delete the words "Immediately following this test" from the first line and insert the word "then" before "shall" in the third line.

This amendment forms part of the specification on 1 May 1961.

X-759
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#138

STANDARDS ASSOCIATION OF AUSTRALIA

Incorporated by Royal Charter

AMDT. No. 2

MAY 1961

AMENDMENT No. 2

to

SAA Approval and Test Specification

for

**TRANSFORMERS FOR COLD-CATHODE ELECTRIC
DISCHARGE LAMPS AND LIGHTING SYSTEMS**

(No. C.143-1952 Ap.)

2 - AUG 1
1961

The 1952 edition of A. & T.S. No. C.143 which was previously amended in 1957 is further amended as follows; the amendment should be inserted at the appropriate place.

NEW CLAUSE 5A.

Insert a new Clause 5A after Clause 5, Means of Connection, as follows:

5A. FLEXIBLE CORD AND CONNECTING PLUG. The transformer shall not be required to comply with the requirements of Clause 92A of A. & T.S. No. C.100 in respect of providing a supply *flexible cord* and connecting plug.

AMDT. No. 2

MAY 1961

This amendment forms part of the specification on 1 May 1961.

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STANDARDS ASSOCIATION OF AUSTRALIA

Incorporated by Royal Charter

AMDT. No. 3

MAY 1961

AMENDMENT No. 3

to

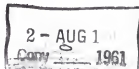
SAA Approval and Test Specification

for

ELECTRIC JUGS

(With Non-Metallic Bodies)

(No. C.106-1952 Ap.)



The 1952 edition of A. & T.S. No. C.106 which was previously amended in 1956 and 1958 is further amended as follows; the amendment should be inserted at the appropriate place.

NEW CLAUSE 7B.

Insert a new Clause 7B after Clause 7A (Amendment No. 2, May 1958), Dimensions of Inlet Socket, as follows:

7B. FLEXIBLE CORD AND CONNECTING PLUG. Any flexible cord and connecting plug supplied with an electric jug shall comply with the relevant requirements of Clause 92A of A. & T.S. No. C.100. If an appliance plug having double insulation is provided, the cord set shall have securely attached thereto a suitable label with the marking "USE WITH JUG ONLY."

AMDT. No. 3
MAY 1961

This amendment forms part of the specification on 1 May 1962.

STANDARDS ASSOCIATION OF AUSTRALIA

Incorporated by Royal Charter

AMDT. No. 4
MAY 1961

AMENDMENT No. 4

to

SAA Approval and Test Specification

for

ELECTRIC LAWNMOWERS

(No. C.156-1955 Ap.)

2 - AUG 1

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The 1955 edition of A. & T.S. No. C.156 which was previously amended in 1958 (twice) and 1959 is further amended as follows; the amendments should be inserted at the appropriate places.

CLAUSE 11. FLEXIBLE CORD.

Alter title to FLEXIBLE CORD AND CONNECTING PLUG.

Add an introductory paragraph as follows:

The *electric lawnmower* shall not be required to comply with the requirements of Clause 92A of A. & T.S. No. C.100 in respect of provision of a *flexible cord* and connecting plug.

AMDT. No. 4
MAY 1961

Alter the first line of the existing first paragraph as follows:

However, any *flexible cord* which is supplied with an

This amendment forms part of the specification on 1 May 1962.

CLAUSE 18. TESTS ON COMPLETE LAWNMOWER. (j) Test of Switch or Control Device (Amendment No. 3, July 1959).

Delete the first paragraph and *substitute* the following:

Any switch or control device shall comply with the relevant requirements of A. & T.S. No. C.133, Air Break Switches, the rated voltage and current for the purpose of testing being taken as the rated voltage and current of the *lawnmower*.

AMDT. No. 4
MAY 1961

This amendment forms part of the specification on 1 May 1961.

STANDARDS ASSOCIATION OF AUSTRALIA
Incorporated by Royal Charter

AMDT. No. 3
APRIL, 1961

AMENDMENT No. 3

to

SAA Approval and Test Specification
for

PVC-INSULATED CABLES AND FLEXIBLE CORDS
(No. C.147—1955 Ap.)

X-759
S7 #141
2 - AUG 1 1961

The 1955 edition of A. & T.S. No. C.147, which was previously amended in 1959 and 1960, is further amended as follows; the amendments should be inserted at the appropriate places.

Clause 9. CONSTRUCTION OF 250 VOLT FLEXIBLE CORDS.

(c) PVC-sheathed Flexible Cords. (Table A-20).

Insert a further item as follows:

(iv) **Miniature Type.** Two or three insulated cores shall be twisted together with a suitable lay, the interstices filled with suitable material, and then covered with a layer of suitable tape or binding material. A sheathing of PVC, in accordance with Clause (c), shall be applied overall.

AMDT. No. 3
APRIL, 1961

The conductor size of this cord shall be 0.001 sq. in.

The radial thickness of the insulation and sheathing respectively shall be not less than 0.020 in. at any point.

The overall diameter of the three-core type shall be 0.250 ± 0.010 in. and of the two-core type 0.235 ± 0.010 in.

This amendment forms part of the specification on 1 April 1961.

Table V. MINIMUM INSULATION RESISTANCE VALUE FOR 250-VOLT AND 660-VOLT FLEXIBLE CABLES AND FLEXIBLE CORDS.

Replace the last value in column 1 with the following:

0.001
(light-duty and
miniature types)

AMDT. No. 3
APRIL, 1961

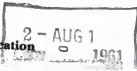
This amendment forms part of the specification on 1 April 1961.

STANDARDS ASSOCIATION OF AUSTRALIA
Incorporated by Royal Charter

AMDT. No. 3
APRIL, 1961

AMENDMENT No. 3

to
SAA Approval and Test Specification
for



RUBBER-INSULATED CABLES AND FLEXIBLE CORDS
(No. C.116—1955 Ap.)

The 1955 edition of A. & T.S. No. C.116, which was previously amended in 1959 and 1960, is further amended as follows; the amendments should be inserted at the appropriate places.

Clause 10. CONSTRUCTION OF 250-VOLT FLEXIBLE CORDS.

(b) Tough-rubber or PVC-sheathed Flexible Cords (Table A-24)

Insert a further item as follows:

(iv) **Miniature Type.** Two or three insulated cores shall be twisted together with a suitable lay, the interstices filled with suitable material, and then covered with a layer of suitable tape or binding material. A sheathing of tough rubber or PVC shall be applied overall.

AMDT. No. 3
APRIL, 1961

The conductor size of this cord shall be 0.001 sq. in.

The radial thickness of the insulation and sheathing respectively shall be not less than 0.020 in. at any point.

The overall diameter of the three-core type shall be 0.250 ± 0.010 in., and of the two-core type 0.235 ± 0.010 in.

This amendment forms part of the specification on 1 April 1961.

Table VI. MINIMUM INSULATION RESISTANCE VALUES FOR 250-VOLT FLEXIBLE CORDS.

Replace the last value in column 1 with the following:

0.001
(light-duty and
miniature types)

AMDT. No. 3
APRIL, 1961

This amendment forms part of the specification on 1 April 1961.

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S7 #143

STANDARDS ASSOCIATION OF AUSTRALIA

Incorporated by Royal Charter

AMDT. No. 2
JULY 1961

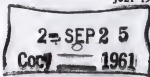
AMENDMENT No. 2

to

SAA APPROVAL AND TEST SPECIFICATION

for

ELECTRIC IRONS
(No. C.107-1952 Ap.)



The 1952 edition of A. & T.S. No. C.107, which was previously amended in 1959, is further amended as follows; the amendments should be inserted at the appropriate places.

CLAUSE 8. MEANS OF CONNECTION AND EARTHING FACILITIES.

Delete the second sentence of item (e) and substitute the following:

The sleeve shall not be an integral part of the supply flexible cord and shall be held securely in position in the body of the iron. AMDT. No. 2
JULY 1961

This amendment forms part of the specification on 1 July 1961.

CLAUSE 11. TESTS.

Correct the clause references in the first paragraph as follows:

The iron shall pass the tests specified in sub-clauses (a), (b), (c), (g), (h), (i), (j), (k), and (l) of this clause. Steam irons shall, in addition, pass the tests specified in sub-clauses (d), (e), (f), (m), (n), (o), (p), and (q) of this clause. AMDT. No. 2
JULY 1961

This amendment forms part of the specification on 1 July 1961.

CLAUSE 11. TESTS.

(k) **Exposure of Materials and Insulation to Excessive Temperatures.**

In the last line of the first paragraph, correct "plus or minus 25 degC" to read "plus or minus 2.5 degC". AMDT. No. 2
JULY 1961

This amendment forms part of the specification on 1 July 1961.

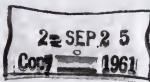
STANDARDS ASSOCIATION OF AUSTRALIA

Incorporated by Royal Charter

X-759
ST #144
AMDT. No. 1
JUNE 1961

AMENDMENT No. 1

to
SAA Code
for



IDENTIFICATION OF PIPING
(A.S. No. CA.21—1947)

The above standard is amended as indicated hereunder.

**APPENDIX A. METHODS OF IDENTIFICATION SPECIFIED
IN OTHER AUSTRALIAN STANDARDS.**

Delete existing text and substitute the following :

**METHODS OF IDENTIFICATION SPECIFIED IN OTHER
AUSTRALIAN STANDARDS**

SAA Wiring Rules (A.S. No. CC.1, Part I—1961). The following Rule states requirements related to identification : AMDT. No. 1
JUNE 1961

Rule 301, DISTINGUISHING COLOURS OF CABLES. The provisions of this rule are summarised as follows :

Insulated or covered earthing conductors must be coloured green and this colour must not be used for other than earthing conductors.

The Statutory or Supply Authority may require that cables of different colours be used for identification purposes in which case the following system is specified :

Red, or any colour other than black or green, for outer, phase or switch wire.

Black for middle wire or neutral.

However, the current-carrying conductors of flexible cords may be coloured identically provided green is not used.

Where distinguishing colours are not required to be used the ends of active conductors left loose for connection are required to be labelled "active" so that the Supply Authority may correctly connect the consumer's mains to the source of supply.

NOTE.—A.S. No. C.13, Standard Marking for Switchboard Buses and Connections, is no longer referred to in the SAA Wiring Rules. It was based on an early edition of B.S. 158 but is at present under revision to take account of a revised edition of B.S. 158 and to remove anomalies between its requirements and those of Rule 301 in the SAA Wiring Rules.

STANDARDS ASSOCIATION OF AUSTRALIA

Incorporated by Royal Charter

AMENDMENT No. 6

to

SAA Approval and Test Specification

for

ELECTRICAL MATERIALS AND EQUIPMENT

(No. C.100-1953 Ap.)

x-759
S7 #145
AMDT. No. 6
MAY 1961

2 - AUG 1
COPY 1961

The 1953 edition of A. & T.S. No. C.100 which was previously amended in 1956, 1957, 1958, 1959 and 1960, is further amended as follows; the amendments should be inserted at the appropriate places.

CLAUSE 30. EXPOSED METAL.

Delete the existing definition and substitute the following:

30. EXPOSED METAL shall mean all metal parts of electrical equipment that can be touched by the standard test finger other than: AMDT. No. 6
MAY 1961

- (i) Parts that are separated from live parts by double insulation (see Definition 37).
- (ii) Metal name-plates, screw-heads, and covers or plates that are supported on, or attached or connected to, substantial non-conductive material only in such a manner that they cannot become alive in the event of failure of insulation* of live parts, and whose means of fixing cannot come into contact with any internal metal, (other than earthed metal** or parts referred to in paragraph (iii) below), or be exposed to arcing contact with live parts.
- (iii) Parts that are separated from live parts by other metal parts that are themselves earthed** or double insulated.

*Failure of insulation in this context is taken to include accidental bridging of an insulating gap by metal or partially conducting material such as carbon-dust or moisture as well as electrical break-down in the conventional sense.

**For the purpose of this specification earthed metal parts are metal parts which are in effective electrical contact with an earthing terminal or contact.

This amendment forms part of the specification on 1 May 1961.

STANDARDS ASSOCIATION OF AUSTRALIA
Incorporated by Royal Charter

X-759
S 7 #146
AMDT. No. 7
SEPT. 1961

AMENDMENT No. 7

to

SAA Approval and Test Specification

for

ELECTRICAL MATERIALS AND EQUIPMENT
(No. C.100-1953 Ap.)

2-NOV 3 0
COPY 1961

The 1953 edition of A. & T.S. No. C.100 which was previously amended in 1956, 1957, 1958, 1959, 1960 and 1961 is further amended as follows; the amendments should be inserted at the appropriate places.

NEW CLAUSE 86.

Add a new Clause 86 as follows:

86. IDENTIFICATION OF WIRING. Where colouring is relied upon ^{AMDT. No. 7} for the identification of internal wiring of ^{SEPT. 1961} equipment, the colour green shall be used only to identify *earthing conductors*, except that green colouring of other *conductors* in *equipment* involving complex wiring shall not necessarily be a cause of rejection.

This amendment forms part of the specification on 1 Oct. 1961.

NEW CLAUSE 107.

Add a new Clause 107 as follows:

107. FAULT-INDICATING DEVICES. Any device, other than a circuit- ^{AMDT. No. 7} interrupting device intended to indicate to the user that a fault exists in an ^{SEPT. 1961} *appliance*, shall be so designed and constructed that a "defect" in the fault-indicating device itself shall not give rise to a false indication.

Any such device intended to indicate that a dangerous potential exists on any external metal parts of an *appliance*, shall indicate when the potential difference between such external metal parts and earth (or other reference point where an isolated system is used) reaches a pre-determined voltage which shall not exceed 32 volts r.m.s.

Any external metal parts of such devices which are connected to internal wiring, shall be so arranged that under no circumstances can they reach a potential exceeding 32 volts r.m.s. or alternatively shall be so arranged that under no circumstances can a leakage current in excess of 2 milliamperes flow when the external metal part is connected directly to earth (or other reference point where an isolated system is used) through a conductor having a negligible impedance.

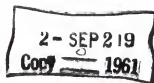
* "Defect" is intended to mean any fault or failure such as failure of a lamp or other component, which may reasonably be anticipated in service (see Clause 80).

This amendment forms part of the specification on 1 Oct. 1961.

X-759
S7 #47

AUSTRALIAN STANDARD No. T.21 — 1961

(UDC 771.531.341)



DENTAL X-RAY FILMS

The Standards Committee of the Australian Dental Association has adopted this standard for use in connection with its scheme for accreditation of certified dental materials, lists of which are published periodically in the dental journals throughout Australia. Enquiries regarding this scheme should be addressed direct to the Australian Dental Association. When used in connection with the scheme the standard is known as Australian Dental Standard No. T.21 (A.D.S. No. T.21).



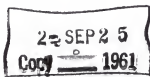
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ST #148

AUSTRALIAN STANDARD No. T.18 — 1961

(UDC 616.314—128)



DENTAL IMPRESSION PASTE

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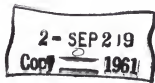


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S7 #49

AUSTRALIAN STANDARD No. K.1, PART 15 — 1961
(UDC 669.1:543:546.56)



METHODS FOR THE ANALYSIS OF IRON AND STEEL

PART 15: COPPER IN IRON AND STEEL
(VOLUMETRIC METHOD)



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Sr #150

AUSTRALIAN STANDARD No. T.20 — 1961

(UDC 616.314—77)

SYNTHETIC RESIN TEETH

The Standards Committee of the Australian Dental Association has adopted this standard for use in connection with its scheme for accreditation of certified dental materials, lists of which are published periodically in the dental journals throughout Australia. Enquiries regarding this scheme should be addressed direct to the Australian Dental Association. When used in connection with the scheme, the standard is known as Australian Dental Standard No. T.20 (A.D.S. No. T.20).



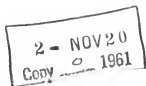
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.S7 #151

AUSTRALIAN STANDARD No. T.19— 1961

(UDC 615.781:616.34)



LOCAL ANAESTHETICS FOR DENTAL INJECTION

The Standards Committee of the Australian Dental Association has adopted this standard for use in conjunction with its scheme for accreditation of certified dental materials lists of which are published periodically in the dental journals throughout Australia. Enquiries regarding this scheme should be addressed direct to the Australian Dental Association. When used in connection with this scheme, the standard is known as Australian Dental Standard No. T.19 (A.D.S. No. T.19).



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AUSTRALIAN STANDARD No. K.97-1961

(UDC 669.348.7449.348.7)

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ELECTROPLATED COATINGS OF NICKEL AND CHROMIUM



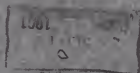
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X-759
.S7 #153

AUSTRALIAN STANDARD No. K.126—1961

(UDC 647.433)



**EXTERIOR
FINISHING ENAMEL**
(Performance Basis)

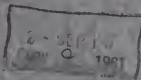


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X-759
ST#154
AUSTRALIAN STANDARD No. K.127-1961
(UDC 667.633)

**UNDERCOAT FOR EXTERIOR
FINISHING ENAMEL**
(Performance Basis)



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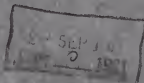
X-T59
S7#155

AUSTRALIAN STANDARD No. G.7—1961

(UDC 669.14 : 122.4)

**HOT-ROLLED CARBON STEELS
AND CARBON-MANGANESE STEELS**

BASED ON CHEMICAL COMPOSITION



Incorporated by
Royal Charter

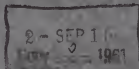
STANDARDS ASSOCIATION OF AUSTRALIA

X-759
ST #156

AUSTRALIAN STANDARD No. E.34—1961

(UDC 621.379.1 : 664.073)

**LARGE
FREIGHT CONTAINERS**



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X-759 S
.S7
#157

AUSTRALIAN STANDARD No. N.43 — 1961

(UDC 621.799.12:676.37)

2-MAR 13
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**FIBREBOARD CONTAINERS
FOR
PROCESSED CANNED GOODS
FOR EXPORT**



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S7
#158*
AUSTRALIAN STANDARD No. H.54—1961
[UDC 669.71-42]

2-JAN 15
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**WROUGHT ALUMINIUM
AND ALUMINIUM ALLOY
EXTRUDED BARS, RODS, AND
SOLID SECTIONS
FOR GENERAL ENGINEERING PURPOSES**



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2 B Cataloging
Subj: Cat. Div.

X-759 S
.S7 #159

AUSTRALIAN STANDARD No. K.95-1961

(UDC 644.29)

2-MAR 13
COPY 2 1962

METHODS OF TESTING VITREOUS ENAMEL FINISHES



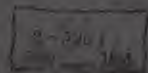
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-57#

AUSTRALIAN STANDARDS 1961



ANNUAL LIST OF PUBLICATIONS

*Complete to
31 December 1960*



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3-5-1981 *K-759*
5+3
AUSTRALIAN STANDARD No. C.58—1981

(THIS WITHDRAWN)

2- SEP 86

Conf. 1981

FLAMEPROOF ENCLOSURE OF ELECTRICAL EQUIPMENT



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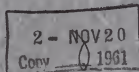
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2B Catalogue Sub Cat

*x-759
.57#102*

AUSTRALIAN STANDARDS Nos. C.59 and C.60—1961

(UDC 663.634:621.385.2) (UDC 661.28:621.385.2)



**WATER
AND
SULPHURIC ACID
FOR USE IN SECONDARY BATTERIES**



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2 B Catalogue July Cat Per. S⁷ #103

AUSTRALIAN STANDARD No. K.129-1961

(UDC 647.627:629.12)

2-FEB 20
COPY 12 1962

**A MARINE
UNDERWATER PAINT SYSTEM
for
THE BOTTOMS OF STEEL SHIPS**



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STANDARDS ASSOCIATION OF AUSTRALIA

2B Cataloging Subj Cat

x-759
.57 #104

AUSTRALIAN STANDARD No. L20-1961

(UDC 687.1)

2-FEB 20

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**BODY MEASUREMENTS
FOR THE
SIZING OF CHILDREN'S
READY-TO-WEAR APPAREL**



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AUSTRALIAN STANDARD No. C.397-1967

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X-759
AUSTRALIAN STANDARD No. S.4 — 1961
(UDC 642.72:678.652)

2-FEB 20
COPY 1962

MELAMINE TABLEWARE

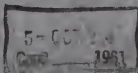


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X-759
Sy #167

AUSTRALIAN STANDARDS Nos. B.158, B.159 and B.160—1961
(UDC 621.643.2:649.3—462.3)



COPPER TUBES

B.158 — WATER, GAS, AND SANITATION

B.159 — GENERAL PURPOSES

**B.160 — REFRIGERATION, OIL LINES, PETROL
LINES, AND SIMILAR APPLICATIONS**



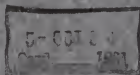
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X-T59
.57 #108

AUSTRALIAN STANDARD NO. Z. 13-1961

(UDC 648.3:621.798.2)



PRESSURE SENSITIVE ADHESIVE
PACKAGING TAPES



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2p Catalog July Cat.

X-T59

.S7

#K9

AUSTRALIAN STANDARD No. A.122-1961

(UDC 614.842)

22 SEP 25

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**HEAT-ACTUATED DETECTORS
FOR
AUTOMATIC FIRE ALARM
INSTALLATIONS**



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ZB, Catalogue of Alj Cat.

x-T59

.S7

#170

AUSTRALIAN STANDARD No. H. 61 - 1961

(UDC 669.71-412)

2-SEP 25
COR 1961

ALUMINIUM INGOTS FOR REMELTING



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Z B Catalogue, July Cat No

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AUSTRALIAN STANDARDS Nos. G.3 to G.6—1961

(UDC 669.14 : 621.884)

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RIVET STEELS AND RIVETS



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(UDC 644.3(083.7))

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**GLOSSARY OF TERMS
FOR
PRESSURE SENSITIVE ADHESIVE TAPES**



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#173

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#174
0 AUSTRALIAN STANDARD No. L.17—1961

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SIZE MEASUREMENTS
FOR
CHILDREN'S PYJAMAS
(WOVEN FABRICS)



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.S7 #175

AUSTRALIAN STANDARD No. C. 330—1961
(UDC 621. 315. 616 : 668. 3)

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**PRESSURE SENSITIVE
ADHESIVE ELECTRICAL TAPES**



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(UDC 614.891)

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INDUSTRIAL SAFETY HELMETS

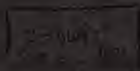


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AUSTRALIAN STANDARD No. AS-191
(ISO 1000:1962)

SAFETY BELTS
AND HARNESS ASSEMBLIES
FOR MOTOR VEHICLES

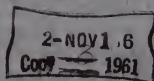


Developed by
Public Consultation

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X-T59
S7#178
AUSTRALIAN STANDARD No. S.3-1961

(UDC 646.476)



**CONTENTS AND DIMENSIONS
OF
INNER-SPRING MATTRESSES
FOR DOMESTIC USE
(Minimum Requirements)**



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.S7#179
AUSTRALIAN STANDARD No. K.128-1961
(UDC 667.633)

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FLAT ENAMEL FOR INTERIOR USE
(Performance Basis)



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S7 #P80
AUSTRALIAN STANDARD No. Z.15-1961

(UDC 649.596)

COTTON MOPS

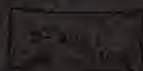


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2-759
50/8/81
AUSTRALIAN STANDARD NO. 2415-1981
part 1

AUTOMATIC FIRE ALARM INSTALLATIONS



STANDARDS ASSOCIATION OF AUSTRALIA

X-T59
S7#182

AUSTRALIAN STANDARD No. L15, Part VII — 1961

**METHODS
FOR DETERMINING THE
COLOUR FASTNESS OF TEXTILES**

**PART VII, COLOUR FASTNESS TO
SODA BOILING**

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AUSTRALIAN STANDARD No. L.15, Part X — 1961

**METHODS
FOR DETERMINING THE
COLOUR FASTNESS OF TEXTILES**

**PART X, COLOUR FASTNESS TO
ALKALINE MILLING**

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AUSTRALIAN STANDARD No. L15, Part XI — 1961

**METHODS
FOR DETERMINING THE
COLOUR FASTNESS OF TEXTILES**

**PART XI, COLOUR FASTNESS TO
BLEACHING WITH HYPOCHLORITE**

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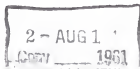
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**METHODS
FOR DETERMINING THE
COLOUR FASTNESS OF TEXTILES**

PART VIII, COLOUR FASTNESS TO WATER



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AUSTRALIAN STANDARD No. L.15, Part IX — 1961

**METHODS
FOR DETERMINING THE
COLOUR FASTNESS OF TEXTILES**

**PART IX, COLOUR FASTNESS TO
ALKALI SPOTTING**

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AUSTRALIAN STANDARD No. L15, Part XII — 1961

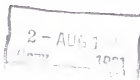
**METHODS
FOR DETERMINING THE
COLOUR FASTNESS OF TEXTILES**

**PART XII, COLOUR FASTNESS TO
ACID SPOTTING**



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DENTAL MODELLING WAX

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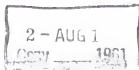
AUSTRALIAN STANDARD No. L15, Part V - 1961

**METHODS
FOR DETERMINING THE
COLOUR FASTNESS OF TEXTILES**

**PART V, COLOUR FASTNESS TO
CHLORINATED WATER**



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AUSTRALIAN STANDARD No. L.15, Part XIV — 1961

**METHODS
FOR DETERMINING THE
COLOUR FASTNESS OF TEXTILES**

PART XIV, COLOUR FASTNESS TO SEA WATER

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1961



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X-T59
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AUSTRALIAN STANDARD No. L15, Part XIII — 1961

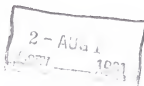
**METHODS
FOR DETERMINING THE
COLOUR FASTNESS OF TEXTILES**

**PART XIII, COLOUR FASTNESS TO
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AUSTRALIAN STANDARD No. L15, Part VI — 1961

**METHODS
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COLOUR FASTNESS OF TEXTILES**

**PART VI, COLOUR FASTNESS TO
HOT PRESSING**

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X - T59
. S7 #193

NOTES ON
A.S. No. CC.1, Part 1—1961

2 - MAY 19
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SAA WIRING RULES
Part 1. Wiring Methods

Notes on changes in the Fifth (1961)
Edition as compared with the
Fourth (1950) Edition



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S-7#194
AMDT. No. 1
JULY 1961

AMENDMENT No. 1

to

A.S. No. B.10-1950

2-SEP 21 19
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**HIGH CARBON STEEL CYLINDERS FOR THE STORAGE
AND TRANSPORT OF PERMANENT GASES**

The above specification is amended as follows; the amendment should be inserted at the appropriate page.

Page 8. CLAUSE 24. PROTECTION OF SCREWED ENDS.

Delete existing clause and *substitute* the following:

Where cylinders are supplied without valves fitted, all screwed ends shall be fitted with a screwed plug of suitable material to prevent entry of moisture.

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AMENDMENT No. 1

to

A.S. No. B.111-1952

**MANGANESE STEEL CYLINDERS FOR THE STORAGE AND
TRANSPORT OF HIGH PRESSURE LIQUEFIABLE GASES**

The above specification is amended as follows; the amendment
should be inserted at the appropriate page.

Page 8. CLAUSE 24. PROTECTION OF SCREWED ENDS.

Delete existing clause and *substitute* the following:

Where cylinders are supplied without valves fitted, all screwed ends AMDT. No. 1
shall be fitted with a screwed plug of suitable material to prevent JULY 1961
entry of moisture.

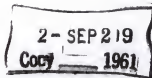
X-759
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AMDT. No. 1
JULY 1961

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AMDT. No. 1
JULY 1961

AMENDMENT No. 1
to
A.S. No. B.110-1952



**MANGANESE STEEL CYLINDERS FOR THE STORAGE AND
TRANSPORT OF PERMANENT GASES**

The above specification is amended as follows; the amendment should be inserted at the appropriate page.

Page 8. CLAUSE 24. PROTECTION OF SCREWED ENDS.

Delete existing clause and *substitute* the following:

Where cylinders are supplied without valves fitted, all screwed ends shall be fitted with a screwed plug of suitable material to prevent entry of moisture.

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AMENDMENT No. 1

to

A.S. No. B.12-1952

**LOW CARBON STEEL CYLINDERS FOR THE STORAGE AND
TRANSPORT OF MEDIUM PRESSURE LIQUEFIABLE GASES**

The above specification is amended as follows; the amendment should be inserted at the appropriate page.

Page 8. CLAUSE 24. PROTECTION OF SCREWED ENDS.

Delete existing clause and substitute the following:

Where cylinders are supplied without valves fitted, all screwed ends shall be fitted with a screwed plug of suitable material to prevent entry of moisture.

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97#197
AMDT. No. 1
JULY 1961

2-SEP 219
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X-759
S7#198

AMDT. No. 1
JAN. 1961

AMENDMENT No. 1

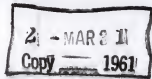
to

Australian Standard Specification

for

ZINC PHOSPHATE CEMENT FOR DENTAL PURPOSES

(No. T.3-1949)



The above specification is amended as follows; the amendments should be inserted at the appropriate pages.

Clause 7. Setting Time.

In the third line *delete* the number "10" and *substitute* the number "8". AMDT. No. 1
JAN. 1961

Clause 10. Solubility and Disintegration.

In the fourth line *delete* the value "0.30" and *substitute* the value "0.20". AMDT. No. 1
JAN. 1961

Clause 16. Marking of Containers.

Delete Sub-clause (iii), Date of Manufacture. AMDT. No. 1
JAN. 1961

Appendix B. Clause B-2. Procedure.

In second paragraph, fourth line *delete* the word "load" and *substitute* the word "weight". AMDT. No. 1
JAN. 1961

STANDARDS ASSOCIATION OF AUSTRALIA
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AMDT. No. 1
JAN. 1961

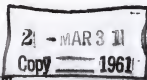
AMENDMENT No. 1

to

Australian Standard Specification
for

DENTAL MODELLING COMPOUND

(No. T.6-1956)



The above specification is amended as follows; the amendment should be inserted at the appropriate page.

Delete existing Clause 4 and *substitute* the following:

4. Clinical Requirements. When used according to the manufacturer's instructions, the compounds shall be free from defects which would impair their use in dental practice. On heating in water at any temperature up to 5 deg. C above the recommended working temperature the compounds shall remain homogeneous and shall not adhere to the wet fingers.

AMDT. No. 1
JAN. 1961

They shall give a smooth glossy surface after flaming; and, when they are trimmed at room temperature, firm, smooth margins shall be obtained.

STANDARDS ASSOCIATION OF AUSTRALIA

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X-759 #200
S7 AMDT. No. 3
SEPT. 1961

AMENDMENT No 3

to

SAA Approval and Test Specification

for

VACUUM CLEANERS

(No. C.153-1951 Ap.)

2-NOV 30
COO 1961

The 1951 edition of A. & T.S. No. C.153 which was previously amended in July 1959 and May 1961 is further amended as follows; the amendment should be inserted at the appropriate place.

CLAUSE 1, SCOPE.

Delete the existing clause and substitute the following:

1. **SCOPE.** This specification shall apply to portable electric vacuum cleaners intended for operation at a voltage not exceeding 250 volts and having a loading not exceeding 1000 watts.

NOTE: The watts loading referred to above is that determined from the expression

$$W = \frac{W_1 + W_2}{2}$$

in accordance with Clause 15(e), Exposure of Materials and Insulation to Excessive Temperature.

This amendment forms part of the specification on 1 Oct. 1961.

STANDARDS ASSOCIATION OF AUSTRALIA

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X-759 #201
S7

AMDT. No. 1
AUGUST 1961

AMENDMENT No. 1

to

A.S. No. A.74-1952

**CORROSION RESISTANT ALLOY FITTINGS
FOR SANITARY PLUMBING INSTALLATIONS**

The above standard is amended as indicated hereunder; the amendments should be made at the appropriate pages.

2-DEC-61
COPY 1961

Clause 1-7. SCREW THREADS.

Delete the existing clause and *substitute* the following:

1-7. SCREW THREADS. All threads shall be of Whitworth form.

AMDT. No. 1
AUGUST 1961

Unless otherwise specified, the threaded parts shall be screwed with BSP F. threads of the appropriate sizes given in the figures in Part II, complying in all respects with A.S. No. B.154, Fastening Threads of BSP Sizes (B.S. 2779:1956 endorsed without amendment), within the limits set out in Tables 6 and 7 thereof for internal and external threads respectively.

APPENDIX B.

Delete this appendix.

AMDT. No. 1
AUGUST 1961

STANDARDS ASSOCIATION OF AUSTRALIA

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AMDT. No. 1
SEPT. 1961

AMENDMENT No. 1

to

**SAA Approval and Test Specification
for**

ELECTRIC BLANKETS

(No. C.164-1960 Ap.)

2-NOV 3 0

COPIES 1961

X-759

S7#202

The 1960 edition of A. & T.S. No. C.164 is amended as follows; the amendments should be inserted at the appropriate places.

CLAUSE 1, SCOPE.

Insert "including electrically heated mattress overlays" between the words "blanket" and "for" in the second line of the first paragraph.

AMDT. No. 1
SEPT. 1961

This amendment forms part of the specification on 1 Oct. 1961.

CLAUSE 6, MATERIALS.

Amend "heating unit" in the fourth and sixth lines to read "heating element".

AMDT. No. 1
SEPT. 1961

This amendment forms part of the specification on 1 Oct. 1961.

CLAUSE 16, TESTS.

(e) Flexibility.

(g) Current Leakage Test No. 2.

(k) Fire Risk Test.

AMDT. No. 1
SEPT. 1961

Delete the note from the end of each sub-clause.

This amendment forms part of the specification on 1 Oct. 1961.

STANDARDS ASSOCIATION OF AUSTRALIA

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X-759 #203
S7

AMDT. No. 6
SEPT. 1961

AMENDMENT No. 6

to

**SAA Approval and Test Specification
for**

ELECTRIC ROOM HEATERS

(No. C.103-1952 Ap.)

2-NOV 3 0
COPY 1961

The 1952 edition of A. & T.S. No. C.103 which was previously amended in 1956, 1958, 1959 (twice) and 1961 is further amended as follows; the amendments should be inserted at the appropriate places.

CLAUSE 6, SAFEGUARDING OF ELEMENTS.

Add an additional paragraph between the second and third paragraphs (as amended by Amendment No. 4, July 1959) as follows:

Any guard provided to enable the room heater to comply with the requirements of this clause shall be so arranged that it cannot easily be detached from the room heater without the use of a tool.

AMDT. No. 6
SEPT. 1961

This amendment forms part of the specification on 1 Oct. 1962.

CLAUSE 12, TESTS. (h) Fire Risk Test.

Amend the last two sentences of the clause and the note (as amended by Amendment No. 3, April 1959) as follows:

The maximum temperature of any external surface shall not exceed 275°C for Type A and B room heaters and 120°C for Type C room heaters. The insulation resistance, measured in accordance with Clause 12 (a) when the heater has cooled to room temperature, shall be not less than 1 megohm.

AMDT. No. 6
SEPT. 1961

NOTE: Except for Type A room heaters, the fire risk test may be carried out concurrently with the test specified in Clause 12(g) above.

This amendment forms part of the specification on 1 Oct. 1961.

STANDARDS ASSOCIATION OF AUSTRALIA

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AMENDMENT No. 5

to

SAA Approval and Test Specification

for

PORTABLE LAMP STANDARDS AND BRACKETS

(No. C.128-1948 Ap.)

The 1947 edition of A. & T.S. No. C.128 which was amended and redated in 1948 and amended in 1958, 1959 and 1960 is further amended as follows; the amendment should be inserted at the appropriate place.

CLAUSE 12, TESTS. (e) Exposure of Materials and Insulation to Excessive Temperature,

Amend the second sentence (as amended by Amendment No. 4, December 1960) to read:

The fitting shall be tested with a shade provided with the fitting AMDT. No. 5 and a lamp of the largest wattage which reasonably can be anticipated SEPT. 1961 for use in normal service of the lighting fitting, provided, however, that a floor standard lamp, . . .

This amendment forms part of the specification on 1 April 1962.

X-T59-
57
AMDT. No. 5
SEPT. 1961

2-NOV 1 6
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#204

STANDARDS ASSOCIATION OF AUSTRALIA
(Incorporated by Royal Charter)

AMDT. No. 1
OCT. 1961

AUSTRALIAN AMENDMENT No. 1

to

Australian Standard No. R.8—1961

**DENSITY HYDROMETERS AND SPECIFIC GRAVITY
HYDROMETERS**

2 - JAN 1 5

COPY 1962

British Standard 718:1960 has been endorsed as a revised edition of A.S. No. R.8-1953, subject to the amendments set out hereunder.

The accompanying endorsement slip should be attached to the cover of B.S. 718:1960 for use in Australia, and the amendments inserted at the appropriate pages.

Clause 11. Inscriptions (f).

Delete "The number of this British Standard i.e. B.S.718*" and *substitute* AMDT. No. 1
OCT. 1961

"The number of this Australian standard i.e. A.S. No. R.8".

Delete the footnote.

APPENDIX A. TESTING OF B.S. HYDROMETERS.

Add the following paragraph:

In Australia facilities for testing hydrometers for conformity with specifications are offered by the National Standards Laboratory and laboratories registered for this purpose by the National Association of Testing Authorities of Australia. AMDT. No. 1
OCT. 1961

STANDARDS ASSOCIATION OF AUSTRALIA
(Incorporated by Royal Charter)

AMDT. No. 1
OCT. 1961

AUSTRALIAN AMENDMENT No. 1

to

Australian Standard No. R.12—1961

NESSLER CYLINDERS

X-759
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2- JAN 15
Copy 1962

British Standard 612:1952, including British amendments PD 1775 and PD 2882, has been endorsed as a revised edition of A.S. No. R.12-1947, subject to the amendments set out hereunder.

The accompanying endorsement slip should be attached to the cover of B.S. 612:1952 for use in Australia, and the amendments inserted at the appropriate pages.

TYPE 1 CYLINDER (Page 8).

Clause 8. Inscriptions (d).

Delete "The number of this British Standard i.e. B.S. 612" and *substitute* AMDT. No. 1
OCT. 1961

"The number of this Australian Standard i.e. A.S. No. R.12".

TYPE 2 CYLINDER (Page 9).

Clause 12. Inscriptions (c).

Delete "The number of this British Standard i.e. B.S.612" and *substitute* AMDT. No. 1
OCT. 1961

"The number of this Australian Standard i.e. A.S. No. R.12".

STANDARDS ASSOCIATION OF AUSTRALIA

(Incorporated by Royal Charter)

AMDT. No. 1
Oct. 1961

AMENDMENT No. 1

to

Australian Standard No. T.12—1956

DENTAL INLAY CASTING GOLDS

2-1AN1 5
Copy — 1962

The above specification is amended as follows; the amendments should be inserted at the appropriate pages.

Clause 7. Hardness.

Delete the second paragraph and substitute the following:

The test shall be carried out in accordance with A.S. No. B.81, AMDT. No. 1
Methods and Tables for Brinell Hardness, using 10 as the value of the $\frac{P}{D^2}$ ratio. Oct. 1961

Clause 11. Sampling.

In the first line delete the number "3" and substitute the number "6".

AMDT. No. 1
Oct. 1961

APPENDIX B.

Paragraph B-1. Preparation of Test Specimen.

In the heading alter "specimen" to "specimens"; in the third line delete "0.07 to 0.09 in" and substitute "0.14 to 0.16 in".

AMDT. No. 1
Oct. 1961

STANDARDS ASSOCIATION OF AUSTRALIA
(Incorporated by Royal Charter)

AMDT. No. 1
OCT. 1961

AMENDMENT No. 1

to

Australian Standard No. T.13—1956

DENTURE CASTING GOLD

X-759
.57#206
2 - JAN 1 5
Copy — 1962

The above specification is amended as follows; the amendments should be inserted at the appropriate pages.

Clause 6. Hardness.

Delete the second paragraph and *substitute* the following:

The test shall be carried out in accordance with A.S. No. B.81, AMDT. No. 1
OCT. 1961
Methods and Tables for Brinell Hardness, using 10 as the value of the $\frac{P}{D^2}$ ratio.

Clause 10. Sampling.

AMDT. No. 1
OCT. 1961

In the first line *delete* the number "3" and *substitute* the number "6".

APPENDIX B.

Paragraph B-1. Preparation of Test Specimens.

AMDT. No. 1
OCT. 1961

In the third line *delete* ".07 to 0.09 in" and *substitute* ".14 to 0.16 in".

X-T59
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STANDARDS ASSOCIATION OF AUSTRALIA
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AMDT. No. 2
JUNE 1961

AMENDMENT No. 2

to

A.S. No. B.115-1958

**WELDED OR BRAZED STEEL CYLINDERS FOR
LOW PRESSURE LIQUEFIABLE GASES AND
LIQUEFIED PETROLEUM GASES**

The above specification, which was previously amended in 1960, is further amended as follows; the amendment should be inserted at the appropriate page.

Page 9. CLAUSE 22. LONGITUDINAL WELD TEST PLATES.

Add a dagger to the end of this title and *add* the following footnote at the bottom of page 9:

† Note: Where circumferential welded joints only are used to manufacture cylinders weld test plates are not required.

AMDT. No. 2
JUNE 1961

STANDARDS ASSOCIATION OF AUSTRALIA

Incorporated by Royal Charter

AMDT. No. 1
MAY 1961

AUSTRALIAN AMENDMENT No. 1

to

Australian Standard No. B.53-1961

PIPE THREADS

British Standard 21:1957, including British Amendment PD 3453, has been endorsed as a revised edition of A.S. No. B.53-1959, subject to Australian amendment as set out hereunder.

The accompanying endorsement slip should be attached to the cover of B.S. 21:1957 for use in Australia, and the amendment inserted at the appropriate page.

Page 16. APPENDIX A.

Substitute the following heading and text for the heading and text between the centred headings "APPENDIX A" and "SYSTEM A".

GAUGING

Two alternative systems of gauging are described below.

System B is recommended.

The plain taper gauges, however, are optional and are intended for use where additional production control of thread form and angle of taper is not employed. They should always be used in conjunction with threaded gauges.

System A is not recommended and should not be used.

AMDT. No. 1
MAY 1961

X-T59
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.57 #211

STANDARDS ASSOCIATION OF AUSTRALIA

Incorporated by Royal Charter

AMDT. No. 7
AUGUST 1961

AMENDMENT No. 7

to

**SAA Approval and Test Specification
for**

DOMESTIC ELECTRIC RANGES

(No. C.146-1954 Ap.)

The 1949 edition of A. & T. S. No. C.146, which was amended and redated in 1952 and 1954, and amended in 1957, 1958, 1959, and 1960, is further amended as follows; the amendments should be inserted at the appropriate places.

Clause 2, Definitions.

(a) Domestic Electric Range.

- *Delete* the existing definition and *substitute* the following:

The term "domestic electric range" shall mean an electric cooking appliance comprising one or more hotplates and one or more ovens* intended primarily for domestic use.

AMDT. No. 7
AUGUST 1961

- Delete* the existing footnote to page 1 and *substitute* the following:

* A compartment beneath a heating unit will be deemed an oven only if the compartment includes another heating unit.

This amendment forms part of the specification on 1 Aug. 1961.

Appendix A. Maximum Normal Load Conditions.

- Delete* the existing Paragraphs A-1 to A-4 and *substitute* the following:

A-1. SURROUNDINGS. For a range or individual components such as separate oven and hotplates intended to be built into a permanent structure, the test shall be conducted with the range or individual components closely surrounded by heat-resisting material having a thickness of $\frac{1}{2}$ in. Units designed to be mounted adjacent to each other shall be so mounted and in other cases shall be mounted remote from each other.

AMDT. No. 7
AUGUST 1961

For free standing ranges, three dull-black surfaces of material of low heat conductivity, each extending from the floor to a height of 6 ft, shall be placed 6 in from the back and from each side of the range body.

A-2. OPERATION OF HOTPLATES. Where a hotplate is provided with means of adjustment, the cooking surface shall be adjusted to a height of not less than $\frac{1}{16}$ in and not more than $\frac{3}{32}$ in above the cooking hob.

A vessel containing 2 in of water at room temperature shall be placed on each hotplate.

STANDARDS ASSOCIATION OF AUSTRALIA
Incorporated by Royal Charter

AMDT. No. 3
AUGUST 1961

AMENDMENT No. 3

to

SAA Approval and Test Specification

for

ELECTRIC FUSES

(No. C.135-1958 Ap.)

2-SEP 21 9

COPY 1961

The 1958 edition of A. & T.S. No. C.135, which was previously amended in 1959 and 1960, is further amended as follows; the amendments should be inserted at the appropriate places.

PREFACE.

Insert the following paragraph between the fourth and fifth paragraphs:

This specification does not include dimensional requirements. AMDT. No. 3
However, the attention of manufacturers and users seeking a standard-
ized product is drawn to B.S. 88, Electric Fuses, which specifies the
dimensions of a range of cartridge fuse-links. This reference is provided
for information only, and does not form part of this specification; non-
compliance with the dimensions therefore is not cause for rejection in
terms of the specification.

This amendment forms part of the specification on 1 Aug. 1961.

STANDARDS ASSOCIATION OF AUSTRALIA
Incorporated by Royal Charter

AMDT. No. 3
JULY 1961

AMENDMENT No. 3

to

A.S. No. B.115-1958

2-SEP 2 19

COPY - 1961

**WELDED OR BRAZED STEEL CYLINDERS FOR LOW
PRESSURE LIQUEFIABLE GASES AND LIQUEFIED
PETROLEUM GASES**

The above specification, which was previously amended in August 1960 and June 1961, is further amended as follows; the amendments should be inserted at the appropriate pages.

Delete title on cover and pages 1 and 3 and *substitute* the following:

**WELDED OR BRAZED STEEL CYLINDERS
FOR COMPRESSED GASES**

AMDT. No. 3
JULY 1961

Page 3. CLAUSE 1. SCOPE.

Delete existing clause and *substitute* the following:

This specification applies to welded or brazed steel cylinders having a capacity exceeding 4 fluid ounces but not exceeding 500 pounds water capacity, for the storage and transport of compressed gases. Cylinders shall be designed to withstand a pressure exceeding 150 psi but not exceeding 500 psi.

Page 3. CLAUSE 2. DEFINITIONS.

Delete the first paragraph and *substitute* the following:

For the purpose of this specification, the defined terms in A.S. No. AMDT. No. 3 CB.4, SAA Code for Compressed Gas Cylinders, and the following definitions shall apply:

Page 5. CLAUSE 8. DESIGN PRESSURE.

Delete existing clause and *substitute* the following:

(a) **All Gases.** The design pressure for all cylinders shall be not less than 150 psi and not greater than 500 psi.

(b) **Low Pressure Liquefiable Gases and Liquefied Petroleum Gases.** The design pressure for cylinders to carry low pressure liquefiable gases and liquefied petroleum gases shall be not less than four-fifths of the vapour pressure, in pounds per square inch gauge at 130°F (55°C) of the gas for which the cylinder is to be used.

May 1961

STANDARDS ASSOCIATION OF AUSTRALIA

Incorporated by Royal Charter

X-T59
S7#24

AMDT. NOS.
1 AND 2

AUSTRALIAN AMENDMENTS Nos. 1 AND 2

to

Australian Standard No. B.108-1952

BLACK CUP AND COUNTERSUNK BOLTS, NUTS AND WASHERS

British Standard 325:1947 was endorsed with Australian amendments as A.S. No. B.108-1952. The amendments (previously un-numbered) made at the time of the endorsement of B.S. 325 now make up Australian Amendment No. 1 dated July 1952, and are as set out hereunder.

British Amendment PD 1895 was subsequently included in the endorsement of B.S. 325:1947.

A.S. No. B.108-1952 is now further amended by Australian Amendment No. 2 dated May 1961. The amendments forming Amendment No. 2 are set out hereunder.

Australian Amendments Nos. 1 and 2 should be inserted in B.S. 325:1947 at the appropriate pages and the slip setting out details of the endorsement should be attached to the cover of B.S. 325 for use in Australia.

Page 5. Clause 6. Length of Thread.

Delete clause and substitute the following:

The length of the screwed part of the bolt, defined as the distance from the end of the bolt (including any radiused or chamfered point) to the point to which the nut can be screwed by hand, shall be not less than the figures given in the following table.

The length of the incomplete thread shall not exceed $2\frac{1}{2}$ threads.

MINIMUM LENGTHS OF THREAD

Length of Bolt Inches	NOMINAL DIAMETER OF BOLT, Inches									
	$\frac{1}{8}$	$\frac{3}{16}$	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{1}{2}$	1	1 $\frac{1}{2}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$
	MINIMUM LENGTH OF THREAD, Inches									
$\frac{1}{8}$	$\frac{1}{8}$									
1	$\frac{1}{4}$									
1 $\frac{1}{2}$	$\frac{1}{2}$									
1 $\frac{1}{2}$ to 2	$\frac{3}{4}$	1		1	1 $\frac{1}{2}$	1 $\frac{1}{2}$				
2 $\frac{1}{2}$ to 2 $\frac{1}{2}$	$\frac{3}{4}$	1		1 $\frac{1}{2}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$			
2 $\frac{1}{2}$ to 3	1	1		1 $\frac{1}{2}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$	2		
3 $\frac{1}{2}$ to 4	1	1 $\frac{1}{2}$		1 $\frac{1}{2}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$	2	2 $\frac{1}{2}$	
4 $\frac{1}{2}$ to 6	1	1 $\frac{1}{2}$		1 $\frac{1}{2}$	1 $\frac{1}{2}$	2	2 $\frac{1}{2}$	2 $\frac{1}{2}$	3	3 $\frac{1}{2}$
8 $\frac{1}{2}$ to 12	1	1 $\frac{1}{2}$		1 $\frac{1}{2}$	2	2 $\frac{1}{2}$	2 $\frac{1}{2}$	3	3 $\frac{1}{2}$	4
Over 12	1	1 $\frac{1}{2}$		2	2	2 $\frac{1}{2}$	2 $\frac{1}{2}$	3 $\frac{1}{2}$	4	

STANDARDS ASSOCIATION OF AUSTRALIA
Incorporated by Royal Charter

AMENDMENT

to

A.S. No. K.41

**STANDARD METHODS OF TEST FOR PAINTS, VARNISHES,
LACQUERS, AND RELATED MATERIALS**

Amendment No. 1 to Method No. 454.1, Resistance to Mineral Oil

The above method of A.S. No. K.41 is amended as follows; the amendment should be inserted at the appropriate place.

Apparatus, Reagents and Test Panels.

Delete item commencing "Mineral lubricating oil" and *substitute* the following:

Mineral Oil shall be "100 Pale Oil" (i.e. an oil having an approximate viscosity of 100 SSU at 100°F) without any additions, and shall conform to the following requirements:

Viscosity Index	Less than Zero
Aniline Point °F	141-145
Bromine Number	1.5 to 2.0

AMDT. No. 1
TO METHOD
No. 454.1
JUNE 1961

X-759
.57 #215
AMDT.
JUNE 1961

STANDARDS ASSOCIATION OF AUSTRALIA

Incorporated by Royal Charter

X-759
57#210
AMDT. No. 1
JAN. 1961

AMENDMENT No. 1

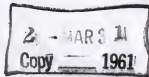
to

**Australian Standard Specification
for**

AUTOMATIC ELECTRIC STORAGE WATER HEATERS

(15 to 150 Gallons Capacity)

(No. C.316-1957)



The above specification is amended as follows; the amendments should be inserted at the appropriate pages.

Page 4. Section 2. Definitions.

After Clause 2-6 insert the following:

2-6(a). Side Fed Water Heater. A cistern fed water heater in which the cold water is fed into the container at or near the bottom and hot water is drawn off at a point below the free water surface level at the rated capacity level of the container. AMDT. No. 1
JAN. 1961

Page 7. Clause 3-8. Cold Water Feed Tank.

Delete existing Sub-clause (a) and substitute the following:

(a) Capacity. Unless otherwise specified by the purchaser all water heaters which are dependent on a feed tank for operation shall be capable of delivering, after cessation of the incoming water supply, not less than 8 gallons for water heaters up to and including 80 gallons capacity and 15 gallons for water heaters greater than 80 gallons capacity. AMDT. No. 1
JAN. 1961

Page 8. Clause 5-2. Capacity.

Insert the following between the second and third paragraphs:

The capacity of a side fed water heater shall be the quantity of water in the main container beneath the point of hot water outlet. In the case of a free outlet water heater no allowance shall be made for expansion. AMDT. No. 1
JAN. 1961

Page 8. Clause 5-3. Rate of Draw-off.

In the fifth line insert "or side fed" after "displacement".

AMDT. No. 1
JAN. 1961

Page 9. Clause 5-6. Diffusion Characteristics.

In the first line insert "or side fed" after "displacement".

AMDT. No. 1
JAN. 1961

STANDARDS ASSOCIATION OF AUSTRALIA
Incorporated by Royal Charter

AMDT. No. 1
FEB. 1961

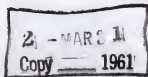
AMENDMENT No. 1

to

**Australian Standard Specification
for**

PRECAST CONCRETE DRAINAGE PIPES

(A.S. No. A.35—1957)



The 1957 edition of the above specification is amended as set out below. The amendments should be inserted at the appropriate places in the specification.

Page 7. Clause 10. MARKING.

Delete "U. Unreinforced" and *substitute* "C. Unreinforced".

AMDT. No. 1
FEB. 1961

Page 8. Clause 12. PHYSICAL TESTS.

Delete existing paragraph and *substitute* the following:

The hydrostatic pressure test and the absorption test shall be at the option of the purchaser. The purchaser when placing the order shall specify which, if any, of the optional tests is to be applied.

AMDT. No. 1
FEB. 1961

**Page 10. Clause 14. HYDROSTATIC PRESSURE TEST
REQUIREMENTS.**

After existing clause *add* the following:

without showing any signs of sweating or leakage in the body or the socket. Moisture appearing on the surface of the pipe in the form of patches, or beads adhering to the surface of the pipe shall not be considered leakage.

AMDT. No. 1
FEB. 1961

STANDARDS ASSOCIATION OF AUSTRALIA

Incorporated by Royal Charter

X-759
S7#218
AMDT. No. 1
JAN. 1961

AMENDMENT No. 1

to

Australian Standard Specification

for

DENTAL SILICATE CEMENT

(No. T.8-1953)

21 - MAR 11
COPY - 1961

The above specification is amended as follows; the amendments should be inserted at the appropriate pages.

Delete existing Clause 1 and *substitute* the following:

1. Scope. This specification applies to conventional silicate cement and silico-phosphate cement intended to be used for restorations in the anterior teeth. AMDT. No. 1
JAN. 1961

Delete existing Clause 6 and *substitute* the following:

6. Setting Time. The setting time of the cement, determined in the manner described in Appendix B, shall be not less than $3\frac{1}{2}$ minutes nor more than 6 minutes. AMDT. No. 1
JAN. 1961

Clause 7. Ultimate Compressive Strength.

Delete the value "1400" in the third line and *substitute* the value "1750". AMDT. No. 1
JAN. 1961

Delete the value "20,000" in the fourth line and *substitute* the value "25,000".

Amend the title of Clause 8, Opacity, to read:

8. Opacity (Conventional Silicate Cement Only).

AMDT. No. 1
JAN. 1961

Clause 9. Solubility and Disintegration.

Delete the value "1.4" in the fourth line and *substitute* the value "0.8". AMDT. No. 1
JAN. 1961

Clause 14. Information to be Supplied by the Manufacturer.

Delete the first sentence and *substitute* the following:

Accurate and adequate instructions for proportioning, mixing, and manipulation shall accompany each package. AMDT. No. 1
JAN. 1961

Add a new sub-clause as follows:

(v) Maximum time allowable for manipulation of the mixed cement.

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STANDARDS ASSOCIATION OF AUSTRALIA

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AMDT. No. 7
JUNE 1961

AMENDMENT No. 7

to

SAA CODE FOR COMPRESSED GAS CYLINDERS

A.S. No. CB.4-1955

The 1950 edition of the above code, which was amended and redated in March 1952 and January 1955, and amended in November 1956, May 1957, May 1958 and August 1960, is now further amended as follows; the amendments should be inserted at the appropriate pages.

Page 6. RULE 1-11. FILLING PRESSURE.

Delete existing Rule and Footnote 1 and substitute the following:

1-11. Filling Pressures. The standard filling pressures for permanent gases shall be: AMDT. No. 7
JUNE 1961

- (i) 120 atmospheres
- (ii) 132 atmospheres
- (iii) 240 atmospheres

In all cases the filler shall be satisfied that the cylinder is designed to a recognised standard at the filling pressure (see also Rule 1-3).

The filling pressure at the time of filling shall be such that at a temperature of 15°C the pressure in the cylinder will not exceed the following values:

- A. 1800 pounds per square inch
- B. 1980 pounds per square inch
- C. 3600 pounds per square inch

Page 6. RULE 1-14. PERIODICAL INSPECTION AND TESTING.

Delete existing Rule and substitute the following:

(a) **General.** Gas cylinders shall be inspected and tested in accordance with the following table: AMDT. No. 7
JUNE 1961

Gas	Period of Inspection	Inspection or Test
Carbon dioxide	Not exceeding 2 years	(b) and (c)
Anhydrous ammonia	Not exceeding 5 years	(d) and (e)
Liquefied petroleum gas	Not exceeding 5 years	(b) and (c)
Permanent gases	Not exceeding 5 years	(b) and (c)
Other gases	Not exceeding 5 years	(b) and (c)

STANDARDS ASSOCIATION OF AUSTRALIA

Incorporated by Royal Charter

AMENDMENT No. 7

to

SAA Approval and Test Specification

for

FLEXIBLE ELECTRIC HEATING PADS

(No. C.149-1954 Ap.)

The 1951 edition of A. & T.S. No. C.149 which was previously amended in 1954, 1956, 1957, 1958 (twice) and 1959 is further amended as follows; the amendments should be inserted at the appropriate places.

CLAUSE 13, TESTS.

Delete the second paragraph (as amended by Amendment No. 5, September 1958) and substitute the following:

Except where otherwise stated, the ambient temperature for all tests shall be $20 \pm 2^\circ\text{C}$. In all cases the reference ambient temperature shall be 20°C . AMDT. No. 7
SEPT. 1961

Add a third introductory paragraph as follows:

Where tests are to be conducted with the heating pad between felt mats, the heating pad shall be held in position only by the weight of the top felt mat and where the heating pad is folded it shall be allowed to assume its natural position once the top mat is placed in position.

This amendment forms part of the specification on 1 Oct. 1961.

CLAUSE 13, TESTS. (b) Conditioning.

Amend the fourth and fifth lines of the first paragraph (as amended by Amendment No. 5, September 1958) to read:

... completely cover the pad with a margin of not less than 2 ft all the way around, the felt mats being placed upon a rigid wooden base. AMDT. No. 7
SEPT. 1961

This amendment forms part of the specification on 1 Oct. 1961.

CLAUSE 13, TESTS. (c) Current Leakage.

Delete from the first sentence of the first paragraph (as amended by Amendment No. 5, September 1958) the words "and maintained at a temperature of $21 \pm 5^\circ\text{C}$ throughout the period." AMDT. No. 7
SEPT. 1961

Delete from the second paragraph (as amended by Amendment No. 5, September 1958) the words "measured at a temperature of $21 \pm 2^\circ\text{C}$."

This amendment forms part of the specification on 1 Oct. 1961.

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AMDT. No. 7
SEPT. 1961

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STANDARDS ASSOCIATION OF AUSTRALIA

Incorporated by Royal Charter

AMDT. No. 1
MAY 1961

AMENDMENT No. 1

to

**SAA Approval and Test Specification
for**

ELECTRIC FENCE CONTROLLERS

(No. C.129-1959 Ap.)

The 1959 edition of A. & T.S. No. C.129 is amended as follows; the amendment should be inserted at the appropriate place.

CLAUSE 4. MECHANICAL CONSTRUCTION.

Delete the first paragraph and substitute the following:

Removal of such cover or covers shall not render live parts or parts that are likely to become alive in the event of a defect, accessible to contact by the standard test finger.

AMDT. No. 1
MAY 1961

This amendment forms part of the specification on 1 May 1961.

STANDARDS ASSOCIATION OF AUSTRALIA

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AMENDMENT No. 2

to

SAA Approval and Test Specification

for

VACUUM CLEANERS

(No. C.153-1951 Ap.)

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AMDT. No. 2
MAY 1961

2 - AUG 1 -

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The 1951 edition of A. & T.S. No. C.153 which was previously amended in 1959, is further amended as follows; the amendments should be inserted at the appropriate places.

NEW CLAUSE 4A.

Insert a new Clause 4A after Clause 4, Means of Connection, as follows: AMDT. No. 2
MAY 1961

4A. FLEXIBLE CORD AND CONNECTING PLUG. Any flexible cord and connecting plug supplied with a vacuum cleaner for the purpose of connecting the vacuum cleaner to the supply mains shall comply with the relevant requirements of Clause 92A of A. & T.S. No. C.100 except that the flexible cord shall be not less than 18 ft in length.

This amendment forms part of the specification on 1 May 1962.

CLAUSE 15. TESTS. (h) Test of Switch or Control Device.

Delete the ~~FIRST~~ paragraph and substitute the following:

Any switch or control device shall comply with the relevant requirements of A. & T.S. No. C.133, Air Break Switches, the rated voltage and current for the purpose of testing being taken as the maximum voltage and current controlled by the switch under the loading conditions specified in Clause 15(e).

AMDT. No. 2
MAY 1961

In the second paragraph delete the words "Immediately following this test" from the first line and insert the word "then" before "shall" in the third line.

This amendment forms part of the specification on 1 May 1961.

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AMDT. No. 1
MAY, 1961

AMENDMENT No. 1

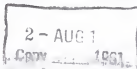
to

SAA Approval and Test Specification

for

PORTABLE ELECTRIC DRILLS

(No. C.160—1959 Ap.)



The 1959 edition of A. & T.S. No. C.160 is amended as follows; the amendment should be inserted at the appropriate place.

Clause 16. TESTS. (h) Test of Switch or Control Device.

Delete the first paragraph and *substitute* the following:

Any switch or control device shall comply with the relevant requirements of A. & T.S. No. C.133, Air Break Switches, the rated voltage and current for the purpose of testing being taken as the voltage and current controlled by the switch or device under the test load conditions specified in Clause 16(f).

AMDT. No. 1
MAY, 1961

This amendment forms part of the specification on 1 May 1961.

STANDARDS ASSOCIATION OF AUSTRALIA

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AMENDMENT No. 1

to

SAA Approval and Test Specification

for

RADIO INTERFERENCE SUPPRESSION DEVICES

(No. C.145—1960 Ap.)

The 1960 edition of A. & T.S. No. C.145 is amended as follows; the amendment should be inserted at the appropriate place.

NEW CLAUSE 9A.

Insert a new Clause 9A after Clause 9, Identification of Terminals or Leads of Suppression Devices, as follows:

9A. FLEXIBLE CORD AND CONNECTING PLUG. The radio interference suppression device shall not be required to comply with the provisions of Clause 92A of A. & T.S. No. C.100 in respect of providing a supply flexible cord and connecting plug.

This amendment forms part of the specification on 1 May 1961.

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MAY, 1961

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AMDT. No. 1
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STANDARDS ASSOCIATION OF AUSTRALIA
Incorporated by Royal Charter

AMDT. No. 3
MAY, 1961

AMENDMENT No. 3

to

SAA Approval and Test Specification

for

ELECTRIC DRY SHAVERS AND HAIR CLIPPERS
(No. C.125—1952 Ap.)

2 - AUG 1
1961

The 1952 edition of A. & T.S. No. C.125, which was previously amended in 1957 and 1959, is further amended as follows; the amendments should be inserted at the appropriate places.

Clause 12. MARKING.

Insert an additional paragraph as follows:

For electric dry shavers, the additional marking for double insulated equipment as required by Clause 113 of A. & T.S. No. C.100 need not be provided.

AMDT. No. 3
MAY, 1961

This amendment forms part of the specification on 1 May 1961.

Clause 13. FLEXIBLE CORD.

Delete this clause and substitute the following:

13. FLEXIBLE CORD AND CONNECTING PLUG. Any flexible cord and connecting plug supplied with an electric dry shaver or hair clipper for the purpose of connecting it to the supply mains, shall comply with the relevant requirements of Clause 92A of A. & T.S. No. C.100.

AMDT. No. 3
MAY, 1961

This amendment forms part of the specification on 1 May 1962.

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Incorporated by Royal Charter

AMDT. No. 3
MAY, 1961

AMENDMENT No. 3
to
SAA Approval and Test Specification
for
ELECTRIC HAND-LAMPS
(No. C.118—1957 Ap.)

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1961

The 1957 edition of A. & T.S. No. C.118, which was previously amended in 1959 and 1960, is further amended as follows; the amendment should be inserted at the appropriate place.

NEW CLAUSE 5A.

Add a new Clause 5A after Clause 5, Attachment of Flexible Cord, as follows:

5A. FLEXIBLE CORD AND CONNECTING PLUG. The hand-lamp shall not be required to comply with the requirements of Clause 92A of A. & T.S. No. C.100 in respect of providing a supply flexible cord and connecting plug.

AMDT. No. 3
MAY, 1961

This amendment forms part of the specification on 1 May 1961.

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AMDT. No. 3
MAY, 1961

AMENDMENT No. 3

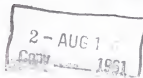
to

SAA Approval and Test Specification

for

ELECTRIC MOTOR-OPERATED APPLIANCES

(No. C.115—1941 Ap.)



The 1941 edition of A. & T.S. No. C.115, which was previously amended in 1958 and 1959, is further amended as follows; the amendments should be inserted at the appropriate places.

Clause 11. TESTS. (d) Test of Earthing Facilities.

Delete the words "and shall be not more than 0.1 ohm" from the end of the clause and substitute:

and shall be not more than 1 ohm for readily accessible rotating exposed metal parts, and 0.1 ohm in all other cases.

AMDT. No. 3
MAY, 1961

This amendment forms part of the specification on 1 May 1961.

Clause 11. TESTS. (k) Test of Motor Control Device.

Delete the first paragraph (as amended by Amendment No. 2, July 1959) and substitute the following:

Any motor-control device of the type described in Clause 7 shall comply with the relevant requirements of A. & T.S. No. C.133, Air Break Switches, the rated voltage and current for the purpose of testing being taken as the maximum voltage and current controlled by the device under the maximum normal loading conditions of the appliance.

AMDT. No. 3
MAY, 1961

This amendment forms part of the specification on 1 May 1961.

STANDARDS ASSOCIATION OF AUSTRALIA

Incorporated by Royal Charter

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AMDT. No. 5
MAT, 1961

AMENDMENT No. 5

to

SAA Approval and Test Specification

for

ELECTRIC ROOM HEATERS

(No. C.103—1952 Ap.)

2 - AUG 1 1961

The 1952 edition of A. & T.S. No. C.103 which was previously amended in 1956, 1958, and 1959 (twice) is further amended as follows; the amendments should be inserted at the appropriate places.

Clause 7. SWITCHES.

Delete the first three lines of the second paragraph and substitute the following:

Provided, however, that single pole switches may be used to control the elements of any room heater in which live parts cannot be exposed by the removal of any guarding which is detachable without extensive dismantling of the room heater, or of any room heater:

AMDT. No. 5
MAT, 1961

- (i) which is clearly intended, by virtue of the design of its terminal box,

This amendment forms part of the specification on 1 May 1961.

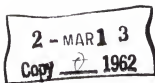
NEW CLAUSE 8A.

Insert a new Clause 8A after Clause 8, Means of Connection and Earthing Facilities, as follows:

8A. Flexible Cord and Connecting Plug. Any flexible cord and connecting plug supplied with a room heater for the purpose of connecting the room heater to the supply mains shall comply with the relevant requirements of Clause 92A of A. & T.S. No. C.100 except that the flexible cord shall be not less than 9 ft in length."

AMDT. No. 5
MAT, 1961

This amendment forms part of the specification on 1 May 1962.



STANDARDS ASSOCIATION OF AUSTRALIA

**Standard Methods of Test for Paints,
Varnishes, Lacquers and Related Materials**

METHOD No. 453.1, RESISTANCE TO PETROLEUM SPIRIT

Apparatus, Reagents and Test Panels

A beaker of such size as will permit the immersion of the test panels for 3 in of their length in the solvent mixture.

Apparatus specified for the determination of scratch resistance in Method No. 403.1¹.

Solvent mixture comprising 25 per cent by volume of a crystallisable grade of benzole² and 75 per cent *n*-heptane with an aniline point of $69.5 \pm 0.4^{\circ}\text{C}$ as determined by ASTM D 1012 - 60³.

Shellac varnish 40 per cent complying with the requirements for Type III shellac varnish in SAA Int. 30A⁴.

Solid non-cutting wax polish.

Four test panels each 4 x 2 in of the appropriate base material.

Preliminary Procedure

1. If required, pretreat the test panels by the appropriate method.
2. Coat and dry the test panels by the appropriate methods.
3. Coat the edges of three of the panels with the shellac varnish and allow to dry.

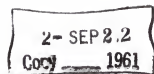
Test Conditions

The test shall be performed at 20-25°C.

NOTE: For routine testing the test may be performed at ambient atmospheric conditions in which case the temperature shall be recorded.

Test Procedure

1. Immerse the three panels with varnished edges for 3 in of their length in the solvent mixture in the beaker, for 15 minutes.
2. Remove the panels from the solvent mixture and allow them to stand vertically under standard air-drying conditions prescribed in Method No. 101.1⁵.
3. After it has stood for 5 minutes, take one of the panels and, using a pad of cottonwool soaked with solvent mixture, rub for 5 seconds a portion of the film which has been immersed. Examine the pad and the rubbed portion of the film to determine whether there has been excessive removal of the film⁶.
4. After the second panel has stood for 2 hours, examine the portion of the film which has been immersed for any evidence of blistering, wrinkling, and other defects. Using a cloth, lightly apply a portion of wax polish to the portion of the film that has been immersed and lightly polish for 30 seconds.



STANDARDS ASSOCIATION OF AUSTRALIA

**Standard Methods of Test for Paints,
 Varnishes, Lacquers and Related Materials**

METHOD No. 459.1 WASHABILITY

Test Panel

A test panel not smaller than 12 by 6 in of the appropriate base material coated with the material under test by the appropriate method and dried for the appropriate period.

Reagents

- A Sovereign 3B Grade lead pencil, well sharpened.
- Graphite grease (Note 1).
- Soap solution 1%, at 60°C (Note 2).
- Cotton wool.
- Distilled water at 60°C.
- Grit soap "Bon Ami" in either block or powder form.

Preliminary Procedure

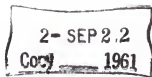
1. Divide the test panel into two areas, one of which is to remain untreated and dry.
2. To the other area apply a stain about 2-in square by smearing on graphite grease with the finger. Apply another stain with the pencil by shading with the side of the lead, without scratching the paint film.
3. Leave the stained panel for 2 hours.

Test Procedure

1. Wet a piece of cotton wool with the warm soap solution, squeeze out the excess and wipe the pencil stain. Using further soap solution and further clean swabs as required, wipe the stain with gradually increasing pressure until the stain is removed or 1 minute has elapsed.
2. Wet a piece of cotton wool with the warm water and rub on the grit soap. Wipe the graphite grease stain gently, using further water, clean swabs and grit soap as required, until the stain is removed or until 1 minute has elapsed.
3. Rinse the test areas of panel with the water until clean.
4. Leave to dry, preferably overnight.
5. When dry compare the treated and untreated areas, noting residual stains, abrasion, and changes in gloss and colour.

Notes

1. *Graphited Oil.* Graphite grease shall be prepared according to the following approximate composition:
 Graphite 120 Mesh 10 per cent by weight
 100 Pale Oil 90 per cent by weight
 Thoroughly incorporated by rubbing under a spatula.
2. *Soap.* The soap shall comply with the following requirements:
 Fatty Acid content, minimum 70% by weight
 Rosin Acid content, maximum 1.0% by weight
 Total free alkalinity as NaOH, maximum 1.0% by weight
 Free caustic alkalinity as NaOH, maximum 0.1% by weight
 Suitable soap is J. Kitchen and Sons Pty Ltd "Velvet" soap.



STANDARDS ASSOCIATION OF AUSTRALIA

**Standard Methods of Test for Paints,
Varnishes, Lacquers and Related Materials**

METHOD No. 458.1 RESISTANCE TO WETTING

Apparatus and Test Panel

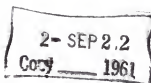
The apparatus for producing the waterspray shall consist of a box, the bottom of which has been perforated with holes each $\frac{1}{8}$ -in in diameter. There shall be at least 25 holes arranged in a square lattice and 1-in apart. A constant 8-in head of water shall be maintained in the vessel. The test surface shall be placed at a distance of 24-in below the perforated bottom of the box and normal to the waterspray.

Autoclaved asbestos cement panels (Method No. 104.1¹), minimum size 6 by 12 in, coated with the material under test by the appropriate method, and dried for the appropriate period.

Test Procedure

1. Subject the panel for 15 minutes to a waterspray produced by the above apparatus.
2. Remove the panel from the waterspray and allow to stand in a vertical position for 24 hours at 20–25°C.
3. Examine the panel visually in comparison with a similarly prepared but unwetted panel for signs of removal of the film or colour change.

¹ Method No. 104.1, Recommended Materials for Test Panels.

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June 1961

STANDARDS ASSOCIATION OF AUSTRALIA

**Standard Methods of Test for Paints,
Varnishes, Lacquers and Related Materials**

METHOD No. 205.3
APPLICATION PROPERTIES—ROLLER COATING

Apparatus and Test Panel

A suitable good quality 4 to 6-in roller coater which remains soft and flexible after use. Foamed plastic types shall not be used for test purposes.

Test panels, not smaller than 2 by 2 ft of the appropriate base material, placed vertically or nearly vertically, and rigidly held to prevent movement during the test.

Preliminary Procedure

1. If required, apply a priming coat and/or an undercoat of the appropriate materials, and dry by the appropriate methods.
2. If necessary, bring a suitable quantity of material under test to the correct condition for roller coating by adding the requisite quantity of the appropriate thinner, but observing any limitations that may apply in relation to the proportion of thinner that may be added.

Test Conditions

Tests shall be performed at 20–25°C.

Test Procedure

1. Saturate the roller with the material (thinned if necessary in accordance with Step 2, Preliminary Procedure), and apply by rolling back and forth to a section approximately 2 by 2 ft of a test panel. Since this first test panel will receive a surplus of material it must be discarded. Take a second panel and apply the residual material by rolling back and forth to a section. Coat the next section and continue this procedure until, except as provided in Step 2 below, the panel is completely covered as evenly as practicable with a film of the appropriate wet film thickness as determined by Method No. 107.2¹ or 107.3².

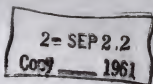
During application, note such properties as rolling, flowing, spreading, levelling, and setting-up properties of the material.

2. For the examination of lapping properties, coat approximately three-quarters of the panel as described in Step 1. After the appropriate time, continue the application, noting the ease or difficulty of lapping, until the whole of the panel is coated. If appropriate, allow the film to become surface dry as determined by Method No. 401.1³ and examine the area around the join for difference in gloss and other defects.

¹ Method No. 107.2, Determination of Wet Film Thickness from Wet Film Weight.

² Method No. 107.3, Determination of Wet Film Thickness by Wheel Gauge.

³ Method No. 401.1, Surface Dry Condition—Silver Sand Test.



STANDARDS ASSOCIATION OF AUSTRALIA

Standard Methods of Test for Paints,
Varnishes, Lacquers and Related Materials

METHOD No. 202.2. WEIGHT PER GALLON

(For Water Dispersed Paints Subject to Foaming)

Apparatus and Reagents

Any suitable pycnometer consisting of a cup of smoothly finished corrosion-resistant material with a snug fitting cover having a small hole in its centre, the inside surface of the cover being concave. The pycnometer is calibrated so that its capacity at $25 \pm 0.5^\circ\text{C}$ is known to within 0.2 per cent.

A 100-ml wide mouth glass graduate.

Silicone anti-foam emulsion¹.

Test Procedure

1. Fill graduate to the 50-ml mark with water.
2. Bring to the 100-ml mark by adding material under test.
3. Mix thoroughly. If foaming is apparent, destroy this by adding one drop of silicone anti-foam emulsion.
4. Allow to stand 5 minutes for release of air bubbles, and if necessary remake up to the mark by repeating steps 2 and 3.
5. Weigh (Notes 1 and 2) the pycnometer when empty and dry (W_1).
6. Bring the pycnometer and the sample to a temperature of $25 \pm 0.5^\circ\text{C}$, keeping the sample well mixed.
7. Avoiding the entrapment of air, pour the sample into the pycnometer until it is sufficiently full for material to be exuded through the hole in the cover when the cover is placed in position.
8. Place the cover firmly in position, and wipe off the material that exudes through the hole.
9. Weigh the pycnometer and contents (W_2).

Calculation

Calculate the weight per gallon using the following formula:

$$\text{Weight per gallon} = \frac{20 (W_2 - W_1)}{V} - 10 \text{ lb/gal.}$$

where

W_2 = weight of pycnometer plus sample—grammes.

W_1 = weight of empty pycnometer—grammes.

V = capacity of pycnometer—millilitres.

Notes

1. If weighings are performed to an accuracy of ± 0.1 g for a paint sample with a w.p.g. of approximately 10 lb, then the result may contain an error (arising from the weighings) of 0.8 per cent. Most of the specifications covered by this test method have a tolerance of ± 2.5 per cent and weighings to the above order of accuracy would probably be acceptable.

2. If the weighings referred to in Note 1 are performed to an accuracy of ± 0.01 g, the result could contain a weighing error of 0.08 per cent. This represents the greatest accuracy obtainable with this test method.

¹ That supplied by Walker, Midland and Bayer is suitable.

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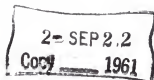
Fifth List of Methods, June 1961

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LIST OF METHODS

The methods so far published are:

No. of Method	Date	Title
101.1	March 1957	Standard Drying Conditions
102.1	June 1957	Recommended Sampling Procedure
103.1	June 1957	Preparation of Samples for Testing—Prepared Paints, Enamels, Varnishes, Lacquers and Similar Products
104.1	June 1961	Recommended Materials for Test Panels
105.1	March 1957	Pretreatment of Metal Test Panels—Solvent Cleaning
105.2	March 1957	Pretreatment of Metal Test Panels—Sanding
105.3	March 1957	Pretreatment of Metal Test Panels—Chromic Acid Dipping
107.1	June 1957	Determination of Wet Film Thickness from Wet Film Weight
107.2	June 1957	Determination of Wet Film Thickness from Wet Film Weight
107.3	June 1957	Determination of Wet Film Thickness by "Wheel" Gauge
201.1	June 1957	Preliminary Examination of Prepared Paints, Enamels, Varnishes and Similar Products
202.1	June 1961	Weight per Gallon
202.2	June 1961	Weight per Gallon (for Water Dispersed Paints Subject to Foaming)
203.1	March 1957	Skin Formation
204.1	March 1957	Fineness of Grind
205.1	March 1957	Application Properties—Brushing (Brushing Properties)
205.2	March 1957	Application Properties—Spraying
205.3	June 1961	Application Properties—Roller Coating
208.1	March 1957	Thinning or Mixing Properties
209.1	March 1957	Re-mixing Properties
211.1	October 1959	Degree of Settling
212.1	June 1957	Wet Hiding Powder—Black and White Cryptometer
301.1	October 1959	Non-volatile Content
302.1	March 1959	Pigment Content
401.1	March 1957	Surface Dry Condition (Silver Sand Test)
401.5	March 1957	Hard Dry Condition (Sanding Test)
402.1	June 1957	Bend Test
403.1	March 1959	Scratch Resistance
404.1	October 1959	Recoating Properties
407.1	March 1959	Heat Resistance—Slow Cooling
407.2	March 1959	Heat Resistance—Thermal Shock
452.1	October 1959	Resistance to Humidity under Condensation Conditions
453.1	March 1959	Resistance to Petroleum Spirit
454.1	March 1959	Resistance to Mineral Oil
455.1	March 1959	Resistance to Water at Room Temperature
456.1	March 1959	Resistance to Boiling Water
458.1	June 1961	Resistance to Wetting
459.1	June 1961	Washability
501.1	October 1959	Soluble Lead Content
601.1	March 1957	Colour—Visual Comparison
603.1	March 1957	Finish



STANDARDS ASSOCIATION OF AUSTRALIA

**Standard Methods of Test for Paints,
Varnishes, Lacquers and Related Materials**

METHOD No. 202.1 WEIGHT PER GALLON

Apparatus

Any suitable pycnometer consisting of a cup of smoothly finished corrosion-resistant material with a snug fitting cover having a small hole in its centre, the inside surface of the cover being concave. The pycnometer is calibrated so that its capacity at $25 \pm 0.5^\circ\text{C}$ is known to within 0.2 per cent.

Test Procedure

1. Weigh (Notes 1 and 2) the pycnometer when empty and dry (W_1).
2. Bring the pycnometer and the sample to a temperature of $25 \pm 0.5^\circ\text{C}$, keeping the sample well mixed.
3. Avoiding the entrapment of air, pour the sample into the pycnometer until it is sufficiently full for material to be exuded through the hole in the cover when the cover is placed in position.
4. Place the cover firmly in position, and wipe off the material that exudes through the hole.
5. Weigh (Notes 1 and 2) the pycnometer and contents (W_2).

Calculation

Calculate the weight per gallon using the following formula:

$$\text{Weight per gallon} = \frac{10 (W_2 - W_1)}{V} \text{ lb/gal.}$$

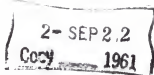
where

- W_2 = weight of pycnometer plus sample—grammes.
 W_1 = weight of empty pycnometer—grammes.
 V = capacity of pycnometer—millilitres.

Notes

1. If weighings are performed to an accuracy of ± 0.1 g for a paint sample with a w.p.g. of approximately 10 lb, then the result may contain an error (arising from the weighings) of 0.4 per cent. Most of the specifications covered by this test method have a tolerance of ± 2.5 per cent and weighings to the above order of accuracy would probably be acceptable.

2. If the weighings referred to in Note 1 are performed to an accuracy of ± 0.01 g, the result could contain a weighing error of 0.04 per cent. This represents the greatest accuracy obtainable with this test method.



STANDARDS ASSOCIATION OF AUSTRALIA

**Standard Methods of Test for Paints,
 Varnishes, Lacquers and Related Materials**
**METHOD No. 104.1 RECOMMENDED MATERIALS FOR
 TEST PANELS**

The following materials are suitable for the manufacture of test panels for use in the panel performance tests on various types of paints, varnishes, lacquers, etc.

NOTE. The use of these materials is not mandatory unless specifically prescribed in a particular specification. It is, however, recommended that they be used wherever appropriate.

(a) **Mild Steel.** Bright annealed mild steel sheet, 18 B.G. (0.049-in thick), complying with Specification En. 2 of B.S.1449¹, free from surface imperfections such as rolling marks and scores.

(b) **Tinplate.** Dipped tinplate, 30 S.W.G. (0.012-in thick) of the quality known as "ordinary stamping quality coke tinplate".

(c) **Aluminium.**

(i) **Soft Aluminium.** Aluminium sheet, 30 S.W.G. (0.012-in thick), complying with A.S. No. H.48², material SIC in condition O (see Note).

(ii) **Hard Aluminium.** Aluminium sheet, 22 S.W.G. (0.028-in thick), complying with A.S. No. H.48, material SIC in condition H (see Note).

NOTE. Soft aluminium is recommended for Bend Test panels and hard aluminium for other test panels.

(d) **Wood.**

(i) Hoop pine (*Araucaria cunninghamii*) having a density of 34 ± 3 lb/cu ft, and a moisture content of approximately 12 per cent.

(ii) Jarrah (*Eucalyptus marginata*) having a density of 59 ± 3 lb/cu ft, and a moisture content of approximately 13 per cent.

(iii) Parana pine (*Araucaria brasiliana*) having a density of 34 ± 3 lb/cu ft, and a moisture content of approximately 12 per cent.

The timber shall preferably be quarter sawn, and shall be as free as possible from imperfections, but in any case shall not contain any stain.

NOTE. Hoop pine and parana pine, which both have good paint-holding properties, are suggested as the most suitable woods for specification durability tests.

(e) **Asbestos Cement Sheet.** The panels shall be cut from $\frac{3}{16}$ -in plain flat autoclaved sheet and prior to use shall have been stored under standard drying conditions (Method No. 101.1³), for a period of not less than 3 weeks racked on edge in such a way that air may circulate freely around both faces of each panel.

(f) **Fibrous Plaster.** The panels shall be cut to size from $\frac{3}{8}$ -in fibrous plaster sheet complying with A.S. No. A.44⁴ and manufactured by the "two guage" method. They shall have been stored for a period of 3 weeks under similar conditions to that set out for asbestos cement sheet, and prior to use the face of the panel shall be dusted and finally blown with compressed air to eliminate loosely adherent powder.

¹ B.S.1449, Steel Plate, Sheet and Strip.

² A.S. No. H.48, Wrought Aluminium and Aluminium Alloys, Sheet and Strip.

³ Method No. 101.1, Standard Drying Conditions.

⁴ A.S. No. A.44, Fibrous Plaster Products.

STANDARDS ASSOCIATION OF AUSTRALIA

**Standard Methods of Test for Paints,
Varnishes, Lacquers and Related Materials**

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**METHOD No. 485.1, THE DETERMINATION OF DURABILITY,
RESISTANCE TO CORROSION, AND RESISTANCE TO
FOULING OF MARINE UNDERWATER PAINT SYSTEMS**

Apparatus

A raft or floating structure is required from which panels may be suspended rigidly so that their top edges are at a depth of approximately 2 ft, 4ft, and 6 ft below the surface of the water.

The design, dimensions, and materials of construction of the raft and the method of fixing the panels are left to the testing authority's discretion, provided that the following conditions are observed:

- (i) The test panels hang vertically with not less than 1 ft between faces.
- (ii) The test panels are electrically insulated from any metallic parts of the raft.
- (iii) The test panels can be removed easily for examination and replaced without suffering any damage by abrasion.
- (iv) The raft may be moored in a fixed position, i.e. fore and aft, or alternatively it may have only one mooring so that it is free to swing in any direction.
- (v) The surface of the water directly above the test panels is completely exposed and is free from shadow for at least 6 hours each day.

Test Site

An approved testing site shall comply with the following conditions:

- (i) Typically estuarine conditions.
- (ii) A port where there is a reasonable volume of shipping.
- (iii) Reasonable freedom from pollution from effluents and remote from excessive fresh water dilution.
- (iv) Completely tidal and free from tidal currents that exceed 2 knots.
- (v) Settlement of the larva of fouling organisms as determined in Procedure 2 shall take place throughout the year.
- (vi) The surface temperature of the water shall be above 15°C and below 25°C for not less than 8 months of the year. The surface temperature of the water shall be recorded at least weekly during the exposure period if not known.

Test Panels

Test panels shall be of minimum dimensions 12 x 16 inches of the appropriate base materials and be prepared by the appropriate method, and shall have both sides and edges coated with the test film and dried by the appropriate methods.

Control Panels

Control panels shall be of "non-toxic" black plastics¹ lightly sanded with No. 0 emery cloth, and of the same dimensions as the test panel.

Procedure

1. Test Panels

- (a) Immerse at least three test panels of each system under test vertically and at the specified depths.
- (b) At intervals of approximately 4 weeks, inspect visually and assess film and fouling failures by the methods detailed below.

NOTE: Inspection must be carried out in as short a time as possible to avoid exposure and drying out of fouling organisms. The time of exposure to cause death of organisms varies with the species but an approximate time of 10 minutes for examination may be taken as a guide.

- (c) Record the results of such inspection in an appropriate manner.

¹ Bakelite, formica, and laminex have been found to be satisfactory.

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AUSTRALIAN STANDARD SPECIFICATION FOR

12 VOLT 33 AMPERE-HOUR LEAD-ACID BATTERIES FOR USE IN AIRCRAFT (Detail Requirements)

This specification shall be read in conjunction with A.S. No. U.2., Lead-acid Batteries for Use in Aircraft (General Requirements).

1. SCOPE. This specification applies to 12 volt, 33 ampere-hour batteries used in aircraft.

2. COMPLIANCE WITH SPECIFICATIONS. The battery shall comply with A.S. No. U.2., Lead-acid Batteries for Use in Aircraft (General Requirements), and with the following requirements of this detail specification.

Should any requirement of this detail specification differ from any general requirements of A.S. No. U.2, the requirements of this specification shall prevail.

3. DETAIL REQUIREMENTS.

(a) **Dimensions.** The dimensions of the battery shall be in accordance with Fig. 1.

(b) **Type Number.** The battery shall be known as Type No. 12V33/U40.

(c) **Weight.** The weight of the battery, as defined in A.S. No. U.2, shall not exceed 28 lb.

(d) **State.** The battery shall be supplied in either the charged and dry state, or in the uncharged and moist state, as specified by the purchaser.

(e) **Tests.** The rated capacity, discharge rates, times of discharge, final voltages, and connector test rate shall be as specified in the following table.

TIME OF DISCHARGE	TESTING TEMPERATURE	FINAL VOLTAGE minimum	DISCHARGE RATE	NOMINAL CAPACITY
	°F	volts per battery	AMPERES	AMPERE-HOURS
5 hours	80 ± 2	10.8	6.6	33
5 minutes	80 ± 2	8.0	160.0	-
1 minute	0 ± 1	8.0	160.0	-
1.5-minute connector test	120 ± 5	-	330.0	-

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AUSTRALIAN STANDARD No. H.49—1962

(UDC 649.715-14)

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ALUMINIUM ALLOY INGOTS AND CASTINGS

FOR GENERAL ENGINEERING PURPOSES



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#240

AUSTRALIAN STANDARD No. K.119 — 1962

(UDC 621.443.2.478.742.3—442.676.11)

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POLYETHYLENE (POLYTHENE) PIPES FOR COLD WATER



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AUSTRALIAN STANDARD No. R.24—1962

(UDC 615.49:666.17:309.1)

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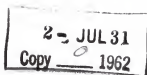
1 SAA
MEDICINE GLASSES



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2B Catalogue
July Cat Div
June 1962



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STANDARDS ASSOCIATION OF AUSTRALIA
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CORRIGENDA
to
A.S. No. CB.15 - 1959
SAA CODE FOR PIPE WELDING

- Figs. 6 and 36
Substitute the correct figure in each case.
(See pages 2 and 3 of this booklet.)
- Fig. 32. Section Z.
Alter the 45° minimum angle so that it indicates the angle
between weld faces.
- Figs. 32, 33, 34 and 35. Section W.
Alter the reference "Rule 325" to "Rule 336".
- Page 76. Appendix A-4, Trepanning.
In the table of hole diameters interchange the two sizes of
hole.
- Page 77. Appendix A-5, Standards of Acceptance.
Delete item (iv) and substitute the following:
(iv) Porosity in excess of that shown as acceptable by the
standards shown in Appendix B of Part I of the SAA
Boiler Code (A.S. No. CB.1). (Figs. 40 (a), (b) and
(c) have been reproduced from the SAA Boiler Code.)
- Pages 78, 79 and 80. Figs. 40 (a), (b) and (c).
Substitute the correct figure in each case. (See pages 4, 5
and 6 of this booklet.)

NOTE: All the above corrigenda and a number of minor corrections
to several of the figures have been incorporated in the 1962 re-
printing of CB.15.

STANDARDS ASSOCIATION OF AUSTRALIA

(Incorporated by Royal Charter)

Amendment No. 1

to

A.S. No. A.53—1960

TOILET SEATS OF MOULDED PLASTICS

The above specification is amended as follows; the amendment should be inserted at the appropriate page.

Page 5. Clause 2, MATERIALS.

Add the following paragraph to item (iv):

Approval has been given by the Plastics Industry Standards Committee to the use of the following:

Polypropylene.

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MAY 1962

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AMDT. No. 1
MAY 1962

June 1962

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CORRIGENDA

to

A.S. No. C.116—1955 Ap.

RUBBER-INSULATED CABLES AND FLEXIBLE CORDS

Page 11. **Clause 7(h), Underground Cables (with Moisture Resisting Quality)** (Amendment No. 1, July 1959).

Delete existing sub-clause (ii) and *substitute* the following:

(ii) **Single and Multi-core Circular Sheathed** (Tables A-13 and A-15).

The insulated core of a single-core cable shall be sheathed with polychloroprene in accordance with Clause 6(d); the insulated cores of a multi-core cable shall be taped together with a suitable lay, the interstices filled with a suitable material, and sheathed with polychloroprene in accordance with Clause 6(d).

Page 17. **Table IV, Voltage Tests on Cables and Flexible Cords** (as amended by Amendment No. 1, July 1959).

In column 1, *alter* "3,000-volt" and "6,000-volt" to "3300-volt" and "6600 volt" respectively.

Page 46. **Table A-22, Column 9, Line 10.**

Alter "0.761" to "2.761".

Page 55. **Appendix B-3, Die-cut Test Specimens.**

In the first line, after the title, *insert* "(a) Preliminary Preparations".

Alter "(c) Examination" to "(b) Examination".

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AMDT. No. 1
MAY 1962

Amendment No. 1

to

A.S. No. T.11-1959

ACRYLIC DENTURE BASE RESIN

The above specification is amended as follows; the amendments should be inserted at the appropriate pages.

CLAUSE 4, DOUGHING TIME.

Add the following sentence:

For cold-processed resins, the doughing time shall be not more than 10 minutes. AMDT. No. 1
MAY 1962

CLAUSE 7, SURFACE PROPERTIES.

In line 4, delete the word "cured" and substitute the word "processed". AMDT. No. 1
MAY 1962

CLAUSE 8, FREEDOM FROM POROSITY.

Delete the existing clause and substitute the following:

8. Freedom from Porosity. When prepared in the manner described in Appendix C and sectioned, the resin shall not show bubbles or voids on visual examination without magnification. AMDT. No. 1
MAY 1962

CLAUSE 9, TRANSVERSE DEFORMATION.

Amend the clause title to read "Transverse Properties".

AMDT. No. 1
MAY 1962

FOOTNOTE TO CLAUSE 16.

In line 6 and in line 7, delete the word "curing" and substitute the word "processing". AMDT. No. 1
MAY 1962

Appendix B-3, PROCEDURE.

In line 4, add in parentheses after the word "minutes" the words "three minutes for cold-processed resins". AMDT. No. 1
MAY 1962

Appendix C-2, PREPARATION OF SPECIMENS.

Delete the second sentence and substitute the following sentence:

Two such specimens shall be prepared separately.

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MAY 1962

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AMDT. No. 2
MARCH, 1961

AMENDMENT No. 2

to

Australian Standard Specification

for

HOUSEHOLD FURNITURE (MINIMUM REQUIREMENTS)
(A.S. No. S.1—1956)

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The above specification, which was previously amended in 1959, is further amended as set out hereunder; the amendments should be inserted at the appropriate places.

Page 12. Clause 4-13. BEDSTEADS AND COMBINATION BEDS.

(a) General.

Amend first paragraph to read:

(a) General. The length provided for sleeping space in all types of bedstead, combination bed, and divan type bedstead, shall be not less than 6 ft 4 in. The width provided for sleeping space shall be not less than 2 ft 6 in. AMDT. No. 2
MARCH, 1961

Page 15. Clause 5-2. SEATING SIZES.

Table III. Minimum Dimensions of Upholstered Chairs and Settees.

Delete the words "(including sectional fireside chair)" from the fifth line of the table as set out in Amendment No. 1 to S.1. AMDT. No. 2
MARCH, 1961

Page 18. Clause 5-8. SERPENTINE SPRINGS. (b) Number and Dimensions of Springs.

In para. (i) Settee Seat, *amend* "9 S.W.G." to "10 S.W.G."

Add a new paragraph (vi), reading:

(vi) PITCH. The pitch (i.e., spacing between turns) of serpentine springs shall be $1\frac{1}{2} \pm \frac{1}{8}$ in. AMDT. No. 2
MARCH, 1961

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With the Compliments of

The Council

of the

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AUSTRALIAN STANDARD CA45-1966
(UDC 621.882 : 624.014.3 : 693.81)

SAA CODE
for
HIGH STRENGTH BOLTING



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AUSTRALIAN STANDARD CA10—1966

[UDC 624.026 + 69.026.22]

SAA CODE
for
FIXED PLATFORMS, WALKWAYS,
STAIRWAYS AND LADDERS



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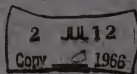
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AUSTRALIAN STANDARD CB21—1966

(UDC 662.961.697.244)



**SAA
OIL HEATING APPLIANCES
INSTALLATION CODE**



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AUSTRALIAN STANDARD B217—1966

(UDC 691.4: 621.833)

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**GLOSSARY OF TERMS
FOR
TOOTHED GEARING**



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.57 #252

AUSTRALIAN STANDARD Z30—1966

(UDC 389.151: 389.152)

**INTERCONVERSION
OF INCH AND METRIC DIMENSIONS**



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X-T 59
.57 #253

AUSTRALIAN STANDARD B210-1966
(UDC 669.973)

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**SMALL REFRIGERATED
AIR CONDITIONERS**



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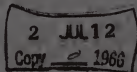
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AUSTRALIAN STANDARD 081-1966

(UDC 674.03:694.011.1)

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**ENGINEERING TIMBERS
FROM EASTERN AND
SOUTH-EASTERN AUSTRALIAN HARDWOODS**



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.57#25

AUSTRALIAN STANDARD A66 - 1966

(UDC 678.674:677.52:691-417.2)

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**GLASS FIBRE REINFORCED
POLYESTER PLASTICS BUILDING
SHEETS**



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Early Cont. 28 Estab. 1966

AUSTRALIAN STANDARD K97—1966

(UDC 669.248.7 : 669.248.7)

X - T 59

.57 #256

ELECTROPLATED COATINGS
OF NICKEL AND CHROMIUM



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STANDARDS ASSOCIATION OF AUSTRALIA

X-T59

.57 #757

AUSTRALIAN STANDARD 098—1966
(UDC 674.03: 694.1)

**SEASONED SIZE-MATCHED FRAMING TIMBER
(INCLUDING FINGER-JOINTED PIECES)**

from

SOUTH-EASTERN AUSTRALIAN HARDWOODS



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X-T 59

.57 #25

AUSTRALIAN STANDARD B6.1-1966
(UDC 621.867.2 : 678.844)

**RUBBER CONVEYOR AND ELEVATOR
BELTING OF PLY CONSTRUCTION
FOR GENERAL APPLICATION**



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Amendment No. 3
September 1967

X - T59

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#259

AMENDMENT No. 3

to

**AS S3.1—1961 CONTENTS AND DIMENSIONS OF
INNER-SPRING MATTRESSES FOR DOMESTIC USE**

Page 5. **Clause 5, Filling Materials.**

Delete "(xi) Synthetic Foam (1 inch minimum over the whole area)"
and *substitute*:

AMDT
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SEPT.
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(xi) Flexible urethane foam, complying with AS K165 (1 inch minimum
over the whole area).

Page 8. **Clause 9 (d), Quantities of Filling Materials—Use of Latex or
Synthetic Foam.**

Delete "synthetic" and *substitute* "urethane".

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June 1967

STANDARDS ASSOCIATION OF AUSTRALIA
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CORRIGENDA

to

AS C149—1954 Ap.

**APPROVAL AND TEST SPECIFICATION FOR
FLEXIBLE ELECTRIC HEATING PADS**

(Applies only to June 1966 reprint incorporating Amendments 1 to 7)

Clause 13 (d), Tests—Heating Test No. 1.

Insert the following after "set out below" at the end of the first sentence:

- (i) 90°C for heating pads without thermostats, or
- (ii) 100°C for heating pads with thermostats, provided that 20 minutes after the first operation of the thermostat and subsequently, the temperature of the exterior of the pad shall not exceed 90°C.

In the fifth line of paragraph (B), *delete* "of" between "three" and "four" and *substitute* "or".

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AMENDMENT No. 1

to

AS K165—1967

**FLEXIBLE URETHANE FOAM
FOR SEAT CUSHIONING AND BEDDING**

X-T59
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#261
Amendment No. 1
September 1967

2-DEC 29
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Page 8. Table 4, Permanence Tests for Slab Stock Polyether Flexible Urethane Foam.

Delete existing requirements for "Humid Heat Ageing" and "Compression Set", and *substitute* the following in sequence given:

AMDT
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Humid Heat Ageing— 25% CLD Value †	Method 10	per cent	30	30	30	30	30	Maximum change
Compression Set		per cent	20	20	20	20	20	Maximum change 75% Compression

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Amendment No. 1
September 1967

X - T 59

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AMENDMENT No. 1

to

AS B214 — 1966

DIMENSIONS FOR WORM GEAR UNITS

2- DEC 29
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Page 3. **PREFACE.**

Delete from 5th line of 6th paragraph, the letter "S" and substitute "J".

AMDT.
No. 1
SEPT.
1967

Page 10. **Table 2, Shaft and Keyway Dimensions.**

Delete from 1st line of columns titled "X—max." and "X—min." the figures 0.365 and 0.359 and substitute 0.366 and 0.360 respectively.

AMDT.
No. 1
SEPT.
1967

Delete from 2nd line of columns titled "X—max." and "X—min." the figures 0.455 and 0.449 and substitute 0.456 and 0.450 respectively.

Delete from 4th line of column titled "Shaft Diameter — Actual—max." the figure 0.8745 and substitute 0.8750.

Delete from 7th line of columns titled "X—max." and "X—min." the figures 1.220 and 1.214 and substitute 1.225 and 1.219 respectively.

Delete from 12th line of column titled "X — max." the figure 1.900 and substitute 1.990.

Add the following additional line between the existing 20th and 21st lines:

5½ 5.5000 5.4990 1.500 1.498 4.901 4.895

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Amendment No. 1
September 1967

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AMENDMENT No. 1
to
AS K166—1967

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METHODS FOR TESTING FLEXIBLE URETHANE FOAM

Page 6. Test 2A—Material 25 mm (1 in) or Thicker.

Change the title to:

"TEST 2A—MATERIAL ABOVE 12.5 MM ($\frac{1}{2}$ IN THICK)."

AMDT
No. 1
SEPT.
1967

Page 6. Clause 2A.3.1, Slab Stock Foam.

Amend the last sentence to read:

"The volume shall be not less than 500 cm³ from material of thickness greater than 12.5 mm ($\frac{1}{2}$ in)."

AMDT
No. 1
SEPT.
1967

Page 6. Clause 2A.4, Procedure.

Add the following note at the end of the clause (page 7):

NOTE: Specimens above 12.5 mm ($\frac{1}{2}$ in) but less than 25 mm (1 in) thick may be reduced in size by cutting into a number of regular shapes for convenience of weighing.

AMDT
No. 1
SEPT.
1967

Page 15. Clause 6A.4, Procedure.

In paragraphs (vi), (vii) and (viii) amend "2 in/min (0.8 mm/sec)" to read: "2 \pm $\frac{1}{2}$ in/min (0.8 \pm 0.2 mm/sec)."

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Amendment No. 1
September 1967

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AMENDMENT No. 1

to

AS S1-1965 HOUSEHOLD FURNITURE

(Minimum Requirements)

DEC 29
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Page 8. Clause 2.3.2, Metal.

Delete asterisk after "AS K97" and corresponding footnote.

Delete "classification Ni4S".

AMDT
No. 1
SEPT.
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Page 9. Clause 3.1, Timber and Plywood.

Delete "SAA Int. 362* Rough Sawn Eastern Australian Brushwoods" and footnote, and *substitute* "AS O84 Sawn Australian Rainforest Timber".

AMDT
No. 1
SEPT.
1967

Page 18. Clause 5.1.3, Filling.

Delete "synthetic" and *substitute* "urethane" in second and third lines.

Add the following paragraph:

Urethane foam shall comply with AS K165, Flexible Urethane Foam for Seat Cushioning and Bedding. Crumbed urethane foam shall be made from urethane foam complying with AS K165.

AMDT
No. 1
SEPT.
1967

Page 25. Clause 5.10, Latex and Synthetic Foam Cushions.

Delete "synthetic" and *substitute* "urethane" in heading and first and fifth lines.

AMDT
No. 1
SEPT.
1967

Page 25. Clause 6.2, Filling.

Delete "synthetic" and *substitute* "urethane" in second and third lines and in first paragraph on page 26.

Add the following new third paragraph on page 25:

Urethane foam shall comply with AS K165, Flexible Urethane Foam for Seat Cushioning and Bedding.

AMDT
No. 1
SEPT.
1967

2BC+
Subj Cat

X-T 59

.59 #265

AS K177 — 1967
UDC 668.5

Australian Standard
K177 — 1967

2-DEC 29
Copy 2 1967

OIL OF LAVENDER, AUSTRALIA



STANDARDS ASSOCIATION OF AUSTRALIA

Incorporated by Royal Charter

ZBCat
Subj Cat

X - T59

.57 #266

AS B257-1967

UDC 621.642.02:

661.91:620.17

Australian Standard
B257 - 1967

2- DEC 29
Copy 1967

HYDROSTATIC STRETCH TESTING OF COMPRESSED GAS CYLINDERS



STANDARDS ASSOCIATION OF AUSTRALIA

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2B Cat
S Suly Cat

X-T59
.57 #267

AS K163-1967
UDC 621.798.14:
621.642.1:678.6

Australian Standard
K163 - 1967

2- DEC 29
Copy 2 1967

PLASTICS CONTAINERS
FOR THE TRANSPORT OF LIQUIDS



STANDARDS ASSOCIATION OF AUSTRALIA
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2B Cat
July Cat
S

X-T59

.59 #268

AS E42-1967
UDC 666.27.625.
746:656.05

Australian Standard
E42 - 1967

2- DEC 29
Copy 2 1967

GLASS BEADS FOR
TRAFFIC MARKINGS



STANDARDS ASSOCIATION OF AUSTRALIA

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2BCat
Subj Cat

2 - SEP - 6
Copy 2 1967

X - T 59

.S7 #269

AS CA21-1967
UDC 621-777:621.643

Australian Standard CA21-1967

THE IDENTIFICATION OF PIPING, CONDUITS AND DUCTS



STANDARDS ASSOCIATION OF AUSTRALIA

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9 Beat
Subj Cast

2 - SEP - 6
Copy 2 1967

X - T59

.S7 #20

AS B146-1967
UDC 621.914.6 : 621.833

Australian Standard B146-1967

GEAR HOBS



STANDARDS ASSOCIATION OF AUSTRALIA
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X-759
.57 #271

AS C364-1967
UDC 621.316.717

Australian Standard C364-1967

DIRECT-ON-LINE A.C. MOTOR STARTERS



STANDARDS ASSOCIATION OF AUSTRALIA
Incorporated by Royal Charter

X-T59

.57 #272

AS K138-1967

UDC 621.643.2:
678.743.32--463

Australian Standard K138 - 1967

**RIGID PVC PIPE
FOR PRESSURE AND
NON-PRESSURE
APPLICATIONS**



STANDARDS ASSOCIATION OF AUSTRALIA
Incorporated by Royal Charter

JB Cat
Subj Cat

X - T 59
. 57 # 273

AS G24-1967
UDC 669.14-148:
669.586

**Australian Standard
G24-1967**

2-DEC 29
Copy 0 1967

**HOT-DIPPED GALVANIZED (ZINC-COATED)
FLAT STEEL SHEET
(COILS AND CUT LENGTHS)**

S



STANDARDS ASSOCIATION OF AUSTRALIA
Incorporated by Royal Charter

X-T59

.S7#274

AS CB3-1967
UDC 621.56

Australian Standard CB3-1967

SAA REFRIGERATION CODE



STANDARDS ASSOCIATION OF AUSTRALIA
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JBCat
Seely Cat

X-T 59

.59 #25

AS C381-1967
UDC 621.316.717:
621.316.718:
621.313.1

Australian Standard
C381-1967

2- DEC 29
Copy 2 1967

**REDUCED CURRENT
MOTOR STARTERS
AND CONTROLLERS**

S



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X - T 59

. 57 4

AS B116-1967

UDC 621.565.464.8.037

2 - SEP - 6

Copy 1967

Australian Standard B116 - 1967

HOUSEHOLD REFRIGERATORS AND FREEZERS



STANDARDS ASSOCIATION OF AUSTRALIA

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X-T59

AS CB15.3—1967
UDC 621.791.75:
621.643.2

57

Australian Standard CB15, Part III — 1967

2-DEC 29
COPY

SAA PIPE WELDING CODE

Part III — ARC WELDING OF
CLASS 1 FERRITIC STEEL PIPING



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X - T 57

.57

AS CB18.1-1967

UDC 621.643.2

2 - SEP - 6

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1967

Australian Standard CB18, Part 1 - 1967

SAA PRESSURE PIPING CODE Part 1 - FERROUS PIPING



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X-159
57 #279

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of
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*Science House
157 Gloucester Street
Sydney*

X-T 59
.S7
#780

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of the

Standards Association

of

Australia

207-1
X-T 59
S 7 #281

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.S7#252

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*Science House
157 Gloucester Street
Sydney*

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2 B Cat S7
#283

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Australia